

## RSPO PRINCIPLE AND CRITERIA PUBLIC SUMMARY REPORT

- □ Initial Assessment
- ☑ Annual Surveillance Assessment (1\_3)
- ☐ 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, Thungrang 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, Thungrang Sub-District, Kanchanadit District,
Suratthani Province 84290 Thailand

Date of Final Report: 04/10/2023



**TABLE of CONTENTS** Page No 1. 2. 3. Other Certifications .......4 4. Location(s) of Mill & Supply Bases ......4 5. Description of Supply Base ......4 6. 7. 8. Summary of Certified Tonnage of FFB (from other certified unit(s))......5 9. Summary of Non-Certified Tonnage of FFB (outside supplier – excluded from certificate)......6 10. Summary of Certified Tonnage (not applicable for ISS) ......6 11. 12. 13. Independent Smallholders Actual Sold Tonnage / Volume ......9 2.1 2.2 2.3 3.1 Progress of scheme smallholders and/or outgrowers......21 3.2 3.3 Details of Nonconformities 23 3.3.1 3.3.2 3.4 3.5 Appendix C: Location Map of Certification Unit and Supply bases......103 Appendix D: Estate Field Map......104 



## **Section 1: Scope of the Assessment**

1. Company Details						
Parent Company	Lumnam Kadae Pattana Oil P	Lumnam Kadae Pattana Oil Palm Community Enterprise Group				
RSPO Membership Number	1-0169-14-000-00	1-0169-14-000-00 <b>Membership Approval Date</b> 1 Nov 2014				
Address	57 Moo 5, Thungrang Sub-District, Kanchanadit District, Suratthani Province 84290 Thailand					
Palm Oil Mill / Group Manager / Estate (Certification Unit)	Lumnam Kadae Pattana Oil Palm Community Enterprise Group					
Location / Address	57 Moo 5, Thungrang Sub-District, Kanchanadit District, Suratthani Province 84290 Thailand					
Website	None.					
Management Representative	Ms. Auraiwan Phonphai / <b>E-mail</b> lumnamkadae@gmail.com Group Manager					
Telephone	Phone: +66-7727-8600	Facsimile	+66-7731-0938			

2. Certification Informat	2. Certification Information					
<b>Certificate Number</b>	RSPO 781067	Certificat	te Start Date	15/	/09/2020	
<b>Date of First Certification</b>	21/05/2015	Certificat	te Expiry Date	14/	/09/2025	
Scope of Certification	Production of Sustainable Oil	Palm Fresh	Fruit Bunch of Inde	epend	lent Smallholder	
Visit Objectives	Determination of the conformith audit criteria.	rmity of the	client's manageme	nt sys	tem, 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_3)			
	☐ Recertification Assessment (Choose an item.)					
Applicable Standards /	RSPO Certification System for P&C and RSPO ISH 2020					
Normative Reference	⋈ RSPO Independent Smallh	olders Stan	dard 2019			
	☐ Choose an item. National Interpretation Choose an item. for RSPO P&C 2018 for the Production of Sustainable Palm Oil					
<b>Supply Chain Module</b>	☑ Identity Preserved; ☐ Mass Balance <b>Mill Capacity</b> Not Applicable				lot Applicable	
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)	□ Re	emote audit (Option B)	



3. Other Certifications			
Certificate Number	Standard(s)	Certificate Issued by	Expiry Date
Nil			

4. Location(s) of Mill & Supply Bases						
Name	Location	GPS Coo	rdinates			
(Mill / Supply Base / Group Manager / Smallholders)		Latitude	Longitude			
Lumnam kadae Pattana Oil Palm Conmmunity Enterprise Group (no. of the group members is 238)	Kanchanadit District, Suratthani Province	9° 5'1.92" N	99°25'44.81" E			

5. Description of Supply Base						
New Planting Development	⋈ No (no change in total planted area)			☐ Yes (please details)	e refer to Principle	e 7 for
Estate / Smallholders	Total Planted (Mature + Immature) (ha)	HCV (ha)	In	frastructure & Other (ha)	Total Area (ha)	% of Planted
Lumnam Kadae Pattana Oil Palm Community Enterprise Group	1,217.76	0		113.09	1,330.85	91.50
Total	1,217.76	0		113.09	1,330.85	91.50

#### Note:

- 1. ASA 1\_2: Last certificate 243 group members. Total land areas is 1,335.72 Ha which; 1,219.58 Ha of Oil palm planted area (Mature is 1,210.67 ha and immature is 8.9100 ha
- 2. ASA 1\_3:
  - 6 Existing members resigned, Total land area is 27.25 ha with Oil Palm Planted area is 21.8728 ha
  - 5 existing members reduce oil palm planted area is 5.01 ha
  - 16 existing members add oil palm plot with planted area of 32.10 ha while total land area 33.01 ha. (16 Oil plot planted).



6. Plantings & Cycle							
Age (Years) - ha				Mature	Immature		
0 - 3	4 - 14	15 - 25	>25				
37.34	500.53	637.93	41.96	1180.42	37.34		
37.34	500.53	637.93	41.96	1180.42	37.34		
	37.34	<b>0 - 3 4 - 14</b> 37.34 500.53	0 - 3         4 - 14         15 - 25           37.34         500.53         637.93	0 - 3     4 - 14     15 - 25     >25       37.34     500.53     637.93     41.96	0 - 3     4 - 14     15 - 25     >25       37.34     500.53     637.93     41.96     1180.42		

Note: Only Mature area is considered as production area

7. Summary of Certified Tonnage of FFB (Own Certified Scope)						
Estate /		Tonnage (MT) / year				
Smallholders	Estimated last year (15 Sep 2022 to 14	(15 Sep 2022 to 14 (1 Jun 2022 to 31 May 2023)				Forecast (15 Sep 2023 to 14
	Sep 2022)	Previous license period (1 Jun 2022 to 14 Sep 2022)	Current license period (15 Sep 2022 to 31 May 2023 (14 Sep 2023))	Sep 2024)		
Lumnam Kadae Pattana Oil Palm Community Enterprise Group	34,700.21	7,534.27	23,248.08	29,594.25		
Total	34,700.21	30,78	82.35	29,594.25		

#### Note:

- 1. Estimated last year in period 15 Sep 2022 to 14 Sep 2023 = 22,700.21 MT
- 2. Volume Extension  $1^{st}$  on 08 Mar 2023 = 12,000 MT; Totally current license; 22,700.21 + 12,000 = 34,700.21 MT; from 15 Sep 2022 to 31 May 2023 sold FBB = 23,248.082 MT; Remaining = 11,452.13 MT (available for sell from 1 Jun 2023 to 14 Sep 2023)
- **3.** Forecast next certificate and next Palm trace license; yield 25.00 tFFB/ha (4.0 tFFB/Rai) (According Members have adopted methods for correctly managing planting, such as understanding the costs of members causing an effect on the amount and timing of fertilization, Maintaining humidity in the oil palm plantations during the summer season, and corresponding to the age of the palm trees in the productive stage. In addition, group members have a better understanding of recording production quantities than in previous years, making the production numbers consistent with the conditions of the planting plots. Moreover, the factory (Seangsiri POM) supports the premium price of palm fruit that comes from certified plantations. Make members more attentive and aware of the produce and the harvest).

8. Summary of Certified Tonnage of FFB (from other certified unit(s))						
Estate /	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			
Total		N/A				



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

9. Summary of Non-Certified Tonnage of FFB (outside supplier — excluded from certificate)						
Out growers /						
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 applicable for ISH. Fill up details 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			
	TOTAL N/A N/A N/A						
Note	Note: This table is not applicable for ISH.						

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



10A.	10A. Monthly Records of Certified CPO & PK since the last audit						
No.	Month - Year	Certified CPO (MT)	Certified PK (MT)				
	N/A	N/A	N/A				
	TOTAL N/A N/A						
Note	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)							
	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		
Note: This table	le is not applicable for ISH	•	•	<u> </u>			

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		
		TOTAL	N/A	N/A		
Note: Thi	Note: This table is not applicable for ISH.					

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		
		TOTAL	N/A	N/A		
Note: Thi	Note: This table is not applicable for ISH.					



11C. Re	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			
	TOTAL	N/A	N/A			
Note: Th	Note: This table is not applicable for ISH.					

11D. Re	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			
	TOTAL N/A					
Note: Thi	Note: This table is not applicable for ISH.					

12. Inde	12. Independent Smallholders Certified Tonnage (MT) / Volume								
	Estimated last year (15 Sep 2022 to 14 Sep 2023)			Actual (1 Jun 2022 to 31 May 2023)			Forecast (15 Sep 2023 to 14 Sep 2024)		
Phase	Eligibility	MS A	MS B	Eligibility	MS A	MS B	Eligibility	MS A	MS B
Pilase	40%	70%	100%	40%	70%	100%	40%	70%	100%
FFB			22,700.21			30,782.35			29,594.25
IS-CSPO	0	0		0	0		0	0	
IS-CSPKO	0	0		0	0		0	0	
IS-CSPKE	0	0		0	0		0	0	
СЅРК	0	0		0	0		0	0	



12A.	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-22	2,447.89	489.58	122.39	55.08	67.32		
2	Jul-22	1,612.05	322.410	80.603	36.271	44.331		
3	Aug-22	2,258.66	451.732	112.933	50.820	62.113		
4	Sep-22	2,695.99	539.199	134.800	60.660	74.140		
5	Oct-22	3,301.46	660.292	165.073	74.283	90.790		
6	Nov-22	2,958.18	591.637	147.909	66.559	81.350		
7	Dec-22	2,862.29	572.457	143.114	64.401	78.713		
8	Jan-23	3,404.52	680.904	170.226	76.602	93.624		
9	Feb-23	2,559.83	511.967	127.992	57.596	70.395		
10	Mar-23	2,645.76	529.152	132.288	59.530	72.758		
11	Apr-23	2,045.72	409.143	102.286	46.029	56.257		
12	May-23	1,990.00	398.000	99.500	44.775	54.725		
TOTAL 30,782.35 6,156.47 1,539.12 692.60 846					846.51			

**Note:** 1 mt = 1 credit

FFB Totally in period 15 Sep 2022 to 31 May 2023, totally = 23,248.08 MT, sold = 21,258.08 MT.

Remaining for sell to 14 Sep 2023 = 1,990.00 MT.

13. Independent Smallholders Actual Sold Tonnage / Volume									
	FFB	FFB Conventional	FFB Other schemes	IS-CSPO	CSPK	IS-CSPKO	IS-CSPKE		
<b>Current Li</b>	Current License period (15 Sep 2022 to 31 May 2023)								
Credits				0	0	0	0		
Physical	21,258.08	0	0						
Previous I	Previous License period (1 Jun 2022 to 14 Sep 2022)								
Credits				0	0	0	0		
Physical	4,886.79	0	0						



13A.	13A. Records of Certified FFB, CPO, PK & PKE (including credits) sold since the last audit							
No.	Buyers Name	PalmTrace Trading License Number	FFB Sold (MT)	Certified CPO Sold (MT/credit)	Sold	PKO Sold	Certified PKE Sold (MT/credit)	
1	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	2,045.72	0	0	0	0	
2	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	1,117.90	0	0	0	0	
3	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	1,527.86	0	0	0	0	
4	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	2,560.11	0	0	0	0	
5	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	2,531.03	0	0	0	0	
6	S.P.O. AGRO-INDUSTRIES CO.,LTD. – Sichon POM	RSPO_1000004976	873.21	0	0	0	0	
7	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	2,862.29	0	0	0	0	
8	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	2,958.18	0	0	0	0	
9	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	3,301.48	0	0	0	0	
10	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	1,480.30	0	0	0	0	
11	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	826.86	0	0	0	0	
12	Seangsiri Agro-Industries Co., Ltd POM	RSPO_1000002411	4,059.93	0	0	0	0	
		TOTAL	26,144.87	0	0	0	0	

#### 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 26,144.87 MT, actual = 26,144.87 MT in period 1 Jun 2022 to 31 May 2023
- In period 15 Sep 2022 to 31 May 2023 (No. 1-10) Sold as Physical FFB via PT as 21,258.08 MT
- In period 1 Jun 2022 to 14 Sep 2022 (No. 11 -12) sold FFB as physical totally 4,886.79 MT separated via PT = 4,886.79 and (without PT system 2,647.48 MT; The PT system not activate).



#### **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.

Tel +60 (3) 9212 9638 Fax +60 (3) 9212 9639

Representative: Dr. Chaiyaporn Seekao (Chaiyaporn.Seekao@bsigroup.com)

Website: www.bsigroup.com

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 **12-16 Jun 2023**. 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 off-site assessment was conducted on 14 Aug 2023.

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 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 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	✓	✓

**Note:** NA for the assessment program is marked as NA because of the transfer certification and also members resulting from the determining the no. of samples have been audited by the outgoing CB

Tentative Date of Next Visit: June 10, 2024 - June 14, 2024

**Total Number of Mandays: 10** 

#### 2.2 BSI Assessment Team

	20171000		
Name		Role	Competency
Mrs. Takard	Chongrak	Team Leader	<b>Education:</b> 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.
			<b>Work experience:</b> 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.
			<b>Training attended:</b> 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, RSPO P&C-endorsed P&C Lead Auditor course, refresher course for RSPO endorsed 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 RSPO endorsed RSPO SCCS Lead Auditor
			Language proficiency: fluent in Thai language and moderate in English.
			<b>Aspect covered in this audit:</b> During this audit, she assessed the aspect of farm legality, OHS, environment, and ICS requirements, supply chain, social and conducted stakeholder consultation.



Mr. Supiwat Nentakong	Team Member	<b>Education:</b> graduated with Bachelor of Science (Fisheries) KASETSART University, Thailand in 1998.
		<b>Work Experience:</b> 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.
		<b>Training attended:</b> 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, RSPO P&C-endorsed P&C Lead Auditor course, refresher course for RSPO endorsed 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 RSPO endorsed RSPO SCCS Lead Auditor
		Language proficiency: fluent in Thai language and moderate in English.
		<b>Aspect covered in this audit:</b> During this audit, he assessed the aspect of farm legality, OHS, social, environmental and ICS requirements and conducted stakeholder consultation.
Dr Suhaili Bin Sahari	Peer Reviewer	Education:
Salidii		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 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
-	-

#### 2.3 Assessment Plan

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

Date	Time	Subjects	CHONGRAK	SUPIWAT
Monday, 12 Jun 2023	09:00-12:00	Description of activity for each day, including travelling/flight detail, opening meeting, documentation review, site visit, closing meeting, etc.	V	√
	13.00-17.30	Field visit at the <b>8 smallholders' plantations</b>	√	√
		Interview with smallholders	(4 members)	(4 members)
		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		



Date	Time	Subjects	CHONGRAK	SUPIWAT
Tuesday, 13 Jun 2023	09:00 - 17:00	Field visit at the 12 smallholders' plantations	√	√
13 3411 2023		<ul> <li>Interview with smallholders</li> <li>Observation on harvesting, agrochemicals and</li> </ul>	(6 members)	(6 members)
		fertilizers application, land use rights, land conflict, boundary demarcation, riparian zone protection, wastes management, occupational safety risk management, etc.		
		Stakeholders' consultation (surrounding communities, government agencies, contractors, vendors, NGO, etc.)	√	√
	12.00-13.00	Lunch break		
	17.30 -18.00	Interim closing briefing of Day 2		
Wednesday 14 Jun 2023	09:00 - 17:00	Field visit at the <b>7 smallholders' plantations</b>	√	$\checkmark$
14 Juli 2023		Interview with smallholders	(3-4 members)	(3-4 members)
		Observation on harvesting, agrochemicals and fertilizers application, land use rights, land conflict, boundary demarcation, riparian zone protection, wastes management, occupational safety risk management, etc.	membersy	membersy
	13.00-15.00	Stakeholders' consultation (surrounding communities, government agencies, contractors, vendors, NGO, etc.)	√	√
	15.000-17.30	Group Manager/Internal Control System	√	$\checkmark$
		Review of members' profiles & key management documents		
		• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, 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.		
	12.00-13.00	Lunch break		
	17.30 -18.00	Interim closing briefing of Day 3		



Date	Time	Subjects	CHONGRAK	SUPIWAT
Thursday 15 Jun 2023	09.00-12.00	Cont. Group Manager/Internal Control System	√	√
		Review of members' profiles & key management documents		
		• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, 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.		
	13.00-17.30	Group Manager	$\checkmark$	√
		Document review: Land use type, customary right land, complaints and grievance, safe work practices, employment conditions, training and competency, environmental management plan, energy usage, waste management plan, natural water resources, HCV, ERT awareness, zero burning, best practices, site management and development of new planting (if any)		
	12.00-13.00	Lunch Break		
	17.30-18.00	Interim closing briefing of Day 4		
Friday	09.00-11.00	Cont. Group Manager	√	√
16 Jun 2023		Document review: Land use type, customary right land, complaints and grievance, safe work practices, employment conditions, training and competency, environmental management plan, energy usage, waste management plan, natural water resources, HCV, ERT awareness, zero burning, best practices, site management and development of new planting (if any)		
	12.00-13.00	Lunch Break		
	13.00-14.00	Audit team discussion & preparation for closing meeting	√	√
	14.00-15.30	Closing meeting (16.00 Travel to Airport)		

**List of sampled group Members:** Total actual 27 members (19 existing member and 8 Existing members and 8 new oil palm plot plant)



No.	Member ID	Member Name	Plot No.	Auditor and Date	Remark
1	47	Mr.Suchat Phutthasri 2	2	CT – 12 Jun 2023	Exiting member
2	97	Mrs.Prakham Thimthong	1	CT – 12 Jun 2023	Exiting member
3	73	Mr.Suriya Phetklep 4	4	CT- 12 Jun 2023	Exiting member with <b>new oil palm plot planted</b>
4	170	Mrs.Fuangfa Nawarat 2	2	CT- 12 Jun 2023	Exiting member with <b>new oil palm plot planted</b>
5	13	Mr.Supachai Supasiripenpong 1	1	SN-12 Jun 2023	Exiting member
6	49	Mr.Jaras Intarasangkanavin 1	1	SN-12 Jun 2023	Exiting member
7	245	Mr.Phichet Chokchaikawin 1	1	SN-12 Jun 2023	Exiting member
8	72	Mr.Samroeng Phayakkharak	1	SN-12 Jun 2023	Exiting member
9	122	Mrs.Wannee Kongphayak 1	1	CT – 13 Jun 2023	Exiting member
10	220	Miss.Sakorn Kongsub	1	CT – 13 Jun 2023	Exiting member
11	251	Mr.Adison Mekanan 2	2	CT – 13 Jun 2023	Exiting member
12	33	Mr.Sangaporn Promthongnun 2	2	CT- 13 Jun 2023	Exiting member with new oil palm plot planted
19	62	Miss.Naruemol Saelee 5	5	CT – 13 Jun 2023	Exiting member with new oil palm plot planted
21	171	Mr.Somchat Saengao	1	CT – 13 Jun 2023	Exiting member
13	42	Mr.Arree Toonchalat 1	1	SN-13 Jun 2023	Exiting member
14	179	Mr.Udomsak Nasdasana 2	2	SN-13 Jun 2023	Exiting member
15	226	Mr.Chaiwat Chotiwetsin 2	2	SN-13 Jun 2023	Exiting member
16	258	Mrs.Chaluai Witthi	1	SN-13 Jun 2023	Exiting member
17	140	Mr.Somkid Tokamnoed 3	3	SN-13 Jun 2023	Exiting member
18	96	Mr.Methawee Nuanla-ong 4	4	SN-13 Jun 2023	Exiting member with <b>new oil palm plot planted</b>
20	106	Mrs.Chaliaw Krachokchol 1	1	CT – 14 Jun 2023	Exiting member
22	203	Mrs.Churee Chaikum 2	2	CT- 14 Jun 2023	Exiting member with <b>new oil palm plot planted</b>



No.	Member ID	Member Name	Plot No.	Auditor and Date	Remark
23	148	Mr.Chainarong Intong	1	SN-14 Jun 2023	Exiting member
24	44	Mr.Wunphiao Siangchin 3	3	SN-14 Jun 2023	Exiting member
25	31	Mr.Wisut Buakaew 3	3	SN-14 Jun 2023	Exiting member with <b>new oil palm plot planted</b>
26	196	Mr.Saroch Natithamkul 2	2	SN-14 Jun 2023	Exiting member
27	202	Mrs.Suthin Chuphrom 2	2	SN-14 Jun 2023	Exiting member with <b>new oil palm plot planted</b>



#### **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 Independent Smallholders Certification.	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 21/12/2021	Not applicable for Independent	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 21/12/2021.  Note:  New acquisition is from the moment the company is legally registered with the local notary or chamber of commerce or equivalent.	Smallholders Certification.	Complied
Any deviations from the maximum periods requires approval by the RSPO Secretariat.	Not applicable for Independent	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 Independent Smallholders Certification.	Not Applicable
Have there been any isolated lapses in implementation of the plan? If yes a <b>Minor</b> non-compliance shall be raised	Not applicable for Independent Smallholders Certification.	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 <b>Major</b> non-compliance shall be raised	Not applicable for Independent Smallholders Certification.	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 Independent Smallholders Certification.	Not Applicable
Any new plantings since January 1 <sup>st</sup> 2010 shall comply with the RSPO New Plantings Procedure.	Not applicable for Independent Smallholders Certification.	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 Independent Smallholders Certification.	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 Independent Smallholders Certification.	Complied
Any Legal non- compliance is being addressed through measures consistent with the requirements of RSPO P&C criteria 2.1	Not applicable for Independent Smallholders Certification.	Complied
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 Independent Smallholders Certification.	Complied
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 Independent	Complied
Have there been any stakeholder (including NGO) consultation conducted?	Smallholders Certification.	Complied



#### 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 Independent Smallholders Certification.	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 *Two* (2) Critical; (0) Minor nonconformities and *1* 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 action plans to address the minor nonconformity will be followed up during the next surveillance assessment. 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 #	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 update and implement for all listed pesticide use those listed, according to the GAP guidelines		
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:	Based on the inspection of the group members' plots and verification of relevant documents and procedures of members and managers, group established the Good Agricultural Practices for Oil Palm (GAP) that was set up on the topics related to agricultural chemical management. Furthermore, from verification on Internal Control System Manual Group issued on 20 Sep 2022 and list of chemicals that have been used in the plots of members within the group for the years 2022 and 2023, it was found that Mr. Apiset Rattana's plot applied herbicides, glufosinate-ammonium, in the fields.  But he doesn't inform to the group and the group has not registered such the chemical into the list. Consequently, group does not have MSDS of glufosinate-ammonium.  That means members and groups do not know the chemical information that is used, including methods of use, protection measures to prevent injury and accident, selection of personal protective equipment (PPE), and the potential impact on the environment if chemicals are contaminated in water sources according to the GAP guidelines.		
Corrections:	database in the past 1 year herbicides in the palm plant grasses and couldn't cut the 2. Verify and collected all o there were additional herbi-	d by members to be up to da r, It was found that there we tation because there were too em in time. f chemicals used by member cides. Glufosinate-Ammonium mbers on 24/6/66 by Uraiwan	re 3 members who used o many overgrown s. It was found that a Made in the chemical



	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:	<ol> <li>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)</li> <li>Members do not keep records according to the guidelines specified by</li> </ol>	
	the group  3. 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.  Chemical Lists.pdf  Members	
	List_chemical.pdf	

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 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	
	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	
	<ul> <li>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?</li> </ul>	
	<ul> <li>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?</li> </ul>	
	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	
	<ul> <li>process of communicating when diseases or insects found in palm plantations</li> <li>The group determines the notification and control procedures when a disease or insect is found in the field.</li> </ul>	
	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 o.	
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.	
	Information Form.pdf IPM.pdf WI_Inform.pdf	

Opportunity for Improvements			
OFI#	Description		
OFI 1	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.		

Positive Findings		
PF#	Description	
PF 1	None	

#### 3.3.1 Status of Nonconformities Previously Identified and Observations

Non-conformity					
NCR Ref #	M06	Issued Date	5/20/2022		
Due Date	8/19/2022 Closure Date 5/30/2022				
Indicator & Category (Critical / Minor)	Criteria 3.1E / MAJOR				
Statement of Nonconformity:	The necessary information of the labour registered of some group members is incomplete.				
Requirement Reference:	Criteria 3.1E 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, including family members, working on the farm and hired labour including contract workers		
Objective Evidence:	During the verification of member information from randomly checking the labour usage of the group members It was found that the group still did not cover all the data collection requirements, including: The labour registration for temporary and family workers is not yet covered. For example, members number 99, 116, 137 and 206. The labour registration did not find any evidence of age. Date of commencement of work to confirm that child labour was not used during that period		
Corrections:	<ol> <li>Training and recommending how to record data Including informing various information requested by the group using communication channels, group line and telephone.</li> <li>Prepare a registration form for the list of contractors/family worker with</li> </ol>		
	complete and necessary information for members.		
Root Cause Analysis:	Members do not understand how to report and record the details of the labor they have. As a result, the necessary information for verification is missing.		
Corrective Actions:	registration form every year by the group manager and the group committee alowith the internal auditing of the members.		
	2. Refresh training RSPO standards for group members every year		
After reviewing the evidence to resolve the inconsistency issue, it was found the group had already resolved the issue by creating a form for recording ladata with all the necessary information record on their sub-contractor & far worker, and training its members about labour entry necessary information. Therefore, this inconsistency issue can be accepted.			
Effectiveness Closure (for previous audit closed Critical NC):	The audit team made verification and found the group already established policy and the information prohibited forced labour Discrimination, and Trafficking to ensure that any use of forced labour on the farm is terminated, the group refresh training to all members via an annual meeting lasted on 28 Jan 2023. Confirmed the information was based on an interview with Ms. Auraiwan Phonphai (Group manager) and sampling members. They provided information on casual workers, and family workers on the source of labour on the farm, the labour registration covered details such as age, birthday, job task and the date of joining to confirm that child labour was not used during that period. Therefore this NC Major remains closed.		

Opportunity for Improvement		
OFI#	Description	
OFI 1	OFI Statement: None	
	Verification / Follow-up actions:	



#### 3.3.2 Summary of the Nonconformities and Status

CAR Ref.	Category (Critical / Minor)	P&C Indicator	Issued Date	Status & Date (Closure)
M06	MAJOR	3.1E	5/20/2022	5/30/2022;16 Jun 2023 (Closed)
2355799-202306-M1	Critical	4.8 B	16 Jun 2023	14 Aug 2023 (Closed)
2355799-202306-M2	Critical	4.9 B	16 Jun 2023	14 Aug 2023 (Closed)

#### 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 P&C 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 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 below.

Stakeholders contacted				
<b>Type of Stakeholder</b> (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)		
Local Communities	Head of Village Moo 10 , Chang Kwa Sub-district, Kanchanadit Distict Suratthani Province	face to face interview		
Local Communities	Head of village Moo. 8 Tha Uthae Subdistrict, Kanchanadit District, Suratthani Province	face to face interview		
Governmental Department	Director of Thung Rang Sub-District Health Promoting Hospital	face to face interview		
Contractor (Casual worker)	Mr. Thaweesak Rodbamrung (Harvestor)	face to face interview		
Contractor (casual worker)	Mr. Weeraphorn Bualoy (Harvestor)	phone interview		

Stakeholders comment		
	Feedbacks: Head of Village	



#### 1

- Communication has been done
- For the last 2 years, there is no land conflict issue. The mechanism of buying and selling or transfer of land ownership should be applied consistently so that problems do not occur in the future.
- The boundaries of the plantation are clear. And also, no complaint raised by people who lived surrounding the plantation.
- Some Smallholders of Lumnam Kadae Pattana Oil Palm Community Enterprise Group have entered the period of replanting so that it can be prepared well to face the replanting period.
- For the last 2 years, there is no complaints issue from community.
- There is no complaints issue from all contractor.

#### **Audit Team verification and response:**

#### **Management Responses:**

- Communication and coordination with the Head of Village will always be maintained and improved for further.
- Farmer who are members of group have 100% of land deed and if there are additional new members, then the membership requirements will be fulfilled.
- The transfer of land ownership of members, whether between members or not, must comply with the membership procedures set by the ICS Group Manager of Lumnam Kadae Pattana Oil Palm Community Enterprise Group .
- To avoid conflict, the process of transferring land ownership or buying and selling member land will always include the village government and witnesses from the surrounding land in the village concerned.

#### **Audit Team Findings:**

- Coordination and communication must be maintained properly.
- Verification has been carried out on the results of the consultation with several related documents, including:
- The list of farmers for the proposed of Replanting Group program.
- Only Positive feedback and it is not required to follow-up

#### **2** Feedbacks: Director of Thung Rang Sub-District Health Promoting Hospital

- Communication and coordination with the director will always be maintained and improved for further.
- The policy on reduction of chemical use and safety working in oil palm plantation are best practices for farmers' occupational and health.
- No serious accident from activities of oil palm cultivation.
- Was contacted to provide an annual health check-up (Chlorine esterase) for sprayer contractor including training to all contractor.
- Hazardous Waste collection will be implement together with Local government.

#### **Audit Team verification and response:**

- There is only positive feedback, so it is not required to follow-up
- Verified the result of annual health check-up of Sprayer were satisfy
- No Complaints from local community

#### Feedbacks: Casual Contractor (Harvesting)



#### 3

- The training on safe working and PPEs on oil palm plantation is useful for all workers to protect accident during working.
- 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.
- 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.

#### **Audit Team verification and response:**

#### **Management Responses:**

- Communication and coordination with casual worker (Contractor) will always be maintained and improved for further.
- Provide Training program as Chemical used, Safety Environment, Labor were implement with contractor
- 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

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
Mr.Suriya Phetklep #4	14 Jan 2010	1.4484	Yes	No	Title deed. No3857, completed sale agreement
Mrs.Fuangfa Nawarat #2	17 Oct 2004	1.3072	Yes	No	Title deed. No28256, completed sale agreement
Mr.Sangaporn Promthongnun #2	30 Mar 2016	4.5752	Yes	No	Title deed. No52561, completed sale agreement
Miss.Naruemol Saelee # 5	3 May 2011	2.8372	Yes	No	Title deed. No10589, completed sale agreement
Mr.Somchat Saengao	16 May 2014	1.872	Yes	No	Title deed. No2709, Transfer by Inheritance from father to son
Mr.Methawee Nuanla- ong # 4	18 Mar 2003	2.9728	Yes	No	Title deed. No24677, First land user
Mrs.Churee Chaikum # 2	7 May 2003	1.0548	Yes	No	Title deed. No15080, completed sale agreement
Mr.Saroch Natithamkul# 2	2 Oct 2012	3.7136	Yes	No	Title deed. No8244, Transfer by Inheritance from mother to son



Mrs.Suthin Chuphrom #2	28 Mar 2007	1.5276	Yes	No	Title deed. No32624, completed sale agreement
Mr.Wisut Buakaew# 3	21 Jun 2021	0.546	Yes	No	Title deed. No4996, completed sale agreement

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**

All

**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: Chongrak Takard	Name: Ms. Auraiwan Phonphai
Company Name: on behalf BSI Malaysia Services Sdn Bhd.	Company Name: Lumnam Kadae Pattana Oil Palm Community Enterprise Group
Title: Lead Auditor	Title: Group Manager
Signature: Changal.	Signature:  Auralman Phonphai
Date: 14 Aug 2023	Date: 14 Aug 2023

## RSPO P&C Public Summary Report Revision 14 (Aug 2022)

#### **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 Smallholde	.1 ers establish a legal entity which has organizational capacity to comply wi	th the RSPO Independent Smallholder Standard.			
Eligibility	<ol> <li>E Legally registered entities have documented evidence to include:</li> <li>Legal formation (as per country requirements)</li> <li>Fair and transparent decision making and governance</li> <li>Additional documents per requirements for Group Formation and Management.</li> <li>Signed or thumb printed Smallholder Declaration from all smallholder members, reference Annex 2 (see appendix 1 for details needed in declaration).</li> </ol>	Lumnam Kadae Pattana Oil Palm Community Enterprise Group, licensed no. 5-84-02-10/1-0017 has registered with Kanchanadit District Agriculture Office since on 12 Feb 2015 and lasted updates on the registration on 29 Jan 2023 which is within the due date on 30 Dec 2023. And the membership of this group is confirmed by RSPO since 1 November 2014 with membership number is 1-0169-14-000-00. Even though the RSPO membership status of the group is still active or approved, the group is required to maintain RSPO membership by paying an annual RSPO membership fee to RSPO. RSPO Membership fee of Nov – Oct 2023. Lasted had to paid the membership-Ordinary fee as Inv. No. SIN045360 on 01 Nov 2022.  Decision making and governance made fair and transparent via business plan of group, indicated at the page 28/55 of Lumnam Kadae Pattana Oil Palm Community Enterprise Group sustainability manual rev. 20 Sep 2022 by offered 200 THB per MT of FFB to all members when certified specific only FFB supply factory. Lasted the group's refreshment meeting with all members has been done via annual meeting of Y2022 on 28 Jan 2023. All existing members 238 smallholder members accepted the offer and agreed with the appointment through transparent signing on the announcement. For example, members name Mr.Wisut Buakaew (31), Mr.Suchat Phutthasri (47) and Mrs.Fuangfa Nawarat (170). There's a	Complied		

## RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		Smallholder Declaration by the ISH Group Manager, Ms.Auraiwan Phonphai (Group Manager) that also accepted and agreed by all existing members stated that the group manager will be representing and managing the smallholders for the purpose of RSPO Certification Program effective from 15 Jan 2018. Additionally, all existing members have signed the acceptance form to be the member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group and MOU agreed on the appointment of SEANGSIRI Agro Co., Ltd. Ms.Auraiwan Phonphai to be the group manager and representing them in the RSPO Certification	
		Program.  All members have acknowledge and signed the Smallholder Declaration Form for example  • Member ID no. 122 (Mrs.Wannee K.), Signed agreement for	
		<ul> <li>Sustainable Palm Oil Smallholders on 22 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.</li> <li>Member ID no. 47 (Mr.Suchat P.), Signed agreement for Sustainable Palm Oil Smallholders on 29 Oct 2013 and Signed Small holder declaration on 24 Aug 2020.</li> </ul>	
		<ul> <li>Member ID no. 106 (Mrs.Chaliaw K.), Signed agreement for Sustainable Palm Oil Smallholders on 21 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.</li> <li>Lasted group has a refresh training to all members via annual meeting on 28 Jan 2023</li> </ul>	
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 applied the internal control system follows manual rev. 20 Sep 2022 at page 13-14 of 55. The group manager has developed and implemented of the ICS plan (100%). Latest reviews the ICS plan of Y2022 on 25 Dec 2021, conducted since on 2 Nov 2022 till 15 Dec 2022.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Group separated ICS follows location (Subdistrict)

- Conducted on 2 Nov 2022 to 18 Nov 2022 and 6 Dec 2022 to 15
  Dec 2022, located at Khuntalae Sub-district, Makham Tea Subdistrict, ThongkongSub-district, Thung Tao Sub-district, Plaiwas
  Sub-district, Wat Pradoo Sub-district, Kadae Sub-district, ThaThong
  Sub-district, Paron Sub-district, Tapan Sub-district,
  TakieanthongSub-district, Lamphoon Sub-district, and Tha Utae
  Sub-district totally 78 oil palm plot plated ,result No NC only
  Observed, perform by Internal Auditor ICS Team as Ms. Auraiwan
  P., Mr. Amnuay S., Ms. Kannikar R and Mr. Khwansombat P.
  announcement on 22 Oct 2022 by Group manager
- Conducted on 2 Nov 2022 to 18 Nov 2022 and 6 Dec 2022 to 15
  Dec 2022, located at ChangKwa Sub-district, totally 82 oil palm
  plot plated, result No NC only Observed ICS Team as Mrs.
  Nipapron P., Mr. Visut B., mr. Wunpure S. nd mr. Bamrung H.
  announcement on 22 Oct 2022 by Group manager
- Conducted on 2 Nov 2022 to 18 Nov 2022 and 6 Dec 2022 to 15 Dec 2022, located at Thung Rang Sub-district, Chang Sai Sub-district and Krud Sub-district, totally 83 oil palm plot plated, result No NC only Observed ICS Team as Ms. Chadapron I., Mr.s Sunisa S, Mrs. Suthatip T., Mr. Suchary P., and Mr. Tamonchai K announcement on 22 Oct 2022 by Group manager
- Group Manager Internal by Ms. Pailin K., Ms. Daranee P. conducted on 26 Apr 2023 no NCs and Observed .
- Moreover, the group has conducted refresher training on the RISS requirement including training on oil palm pricing mechanisms, financial management, and best practices for smallholders during the annual meeting 28 Jan 2023 for all members. The trainers are the group manager and the group committee provides refresher training.



#### 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

Lumnam Kadae Pattana Oil Palm Community Enterprise Group could demonstrate the transparent in term of the decision-making and governance as follows:

- A meeting is declared valid if it is attended by more than half of the number of members.
- Decision making is carried out by deliberation and consensus. If there is a deadlock, then the decision is taken based on a mechanism approved by the forum but still on an accountable basis.
- Lumnam Kadae Pattana Oil Palm Community Enterprise Group willing to get involved and willing to promote RSPO certified palm oil.
- Appointed Ms.Auraiwan Phonphai (Group Manager) as Group Manager who responsible for implementation of RSPO principles and criteria.
- All member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group will support all the joint declaration point. Lumnam Kadae Pattana Oil Palm Community Enterprise Group also has a financial management plan such as estimation of FFB production in the next year (2022 2023 and 2023 to 2024) and replanting plan period 2020 to 2024.
- All of the group members have aware of the governance process setup and license availability from the group manager informed during the annual meeting. The decision was made by the group committee and informed the result to all group members in a fair and transparent. and The group business plan for Y2022 and Y2023 includes the financial management plan, current performance, and forecast for next year. The group manager monitors the finance and record the information with the full data, then summarizes and inform to group committee and all group member in the annual meeting. The previous year of financial performance result in the

Complied

## RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		annual meeting report on 28 Jan 2023 found stability and can support group activities.	
Criteria 1.	2		
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.	<ul> <li>Lumnam Kadae Pattana Oil Palm Community Enterprise Group has held trainings related to palm oil business. The trainings have been conducted in several sessions since preparation of RSPO certification until now:         <ul> <li>Training on GAP, BMPs, SOPs, and RSPO requirement, SEAI, Health &amp; safety , chemical handling (agrochemical), Prevention and Handling of Forest on 15-16 Jul 2022, 28 Jan 2023 and 7 Mar 2023.</li> <li>Training and socialization for Palm Oil Replanting for Smallholder, worker welfare, Updating SOP, RSPO Independent Smallholder Standard 2019, Determination of FFB Prices based on FFB quality, financial management, member registration, socialization of RSPO premium sharing credit, appeal for prohibition of burning land and prohibition of using paraquat. Presented by the staff of the Group on 28 Jan 2023 with 238 participants</li> <li>Dissemination of the material through document file of RSPO Introduction and Implementation given to all smallholders. Awareness training of general RSPO ISH standard has been</li> </ul> </li> </ul>	Complied
Milestone B	Smallholders are managing their farms effectively and maintain records of production and transaction data of all FFB sale	conducted at Annual Member Meeting on 28 Jan 2023.  The records starting from smallholder personal record (harvesting, manuring), then the Group manager will recap the data. After that,	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		the data of Group manager will be recapped by the cooperative. The data in each member covering detail of every member and every months, code number, planting year, hectarage, and production. Records of production and sale of FFB by individual members have consistently record the FFB production and sales. The document was compiled and filing a minimum of 5 years	
Criteria 1.			
Smallholder	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).	There was an annual training plan established for all the group members both of existing and newly. According to training registered, they were training of 238 existing member each topic such as Training chemical handling (agrochemical), Prevention and Handling of Forest and Land Fires by the Fertilizer, IPM, GAP, BMP, HCV, IPM and human right, Pesticide Commission team which was held on 15-16 Jul 2022, 28 Jan 2023 and 7 Mar 2023. with 238 participants by Group manager and SPO group partners, Most of trainer has a competence of each topic to training.	Complied
Milestone A	Smallholders complete training on Good Agriculture Practices (GAP).	From verified the training plan of Y2022 and 2023, Interviewed member sampling found the group provide training as follows  - Training on GAP, HCV Management, Management of Hazardous and Toxic Materials (B3) and Occupational Accident and Health Training conducted in Lumnam Kadae Pattana Oil Palm Community Enterprise Group Office on 07 March 2023.  - Training on GAP, HCV Management, Integrated Pest Management (IPM, and Weed Control conducted at Bunjong Buri Hotel on 28 Jan 2023.  - Dissemination of RSPO standard 2019, GAP Training and HCV Management conducted at Lumnam Kadae Pattana Oil Palm Community Enterprise Group Office Farmer Group on 15-16 Jul 2022	Complied

_			
	Smallholders have adopted GAP on their farms and are tracking productivity through, but not limited to, records of FFB sales.	During on-site audit, an auditor has verified and observed the GAP implemented in the oil palm plantation such as the oil palm variety selection to cultivation upon the soil type. Decision for used the pesticide/or herbicide when necessary. Some member has an integrated plantation in the oil palm plot for reduce the plant pest infestation. Auditor has verified basic information, farm information, production data, legal documentation of group members and signed Smallholder declarations are available to the group manager. Group committee has given directions to the smallholders to follow the harvesting procedure and record their own FFB production regularly and sales. Based on the results of interviews with respective smallholder who was the audit sample obtained information that they were recorded their FFB production.	Non- compliance
		The records starting from smallholder personal record (harvesting, manuring), then the Group Facilitator/Farmer mentor will recap the data. After that, the data of member will be recapped by the Group administration cooperative. The data in Group covering detail of every member, code number, planting year, hectarage which is equal to 6.25Rai, and production.	
		For example Member ID no. 122 (Mrs.Wannee K.), Member ID no. 47 (Mr.Suchat P) and Member ID no. 106 (Mrs.Chaliaw K.). Based on field observation of sample of smallholders, can be concluded that smallholders have adopted good agricultural practices in their farms, such as not applying buffer zone spraying, not using paraquat, and conducting pest and disease control properly.	
		However, in the event that members have used new chemicals but they missed to notify the group. Consequently, the group has not yet prepared MSDS and chemical lists to ensure that members are using chemicals correctly and prevention the potential impacts on the environment if chemicals contaminate water sources according to GAP	

		guidelines, therefore, this matter was raised Major NC for group improvement as NCR NO. 2355799-202306-M1.	
-	2: Ensure Legality, Respect for Land Rights and Community Wel th the law and respect communities' rights	lbeing	
Criteria 2 Smallholde	.1 ers have legal or customary rights to use the land in accordance with nati	onal and local laws, and customary 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).	The plots of smallholders were provided the coordinates/maps of their plots evidence of ownership as following:  The group manager maintains a list of the member, including the coordinates. The group manager obtained the coordinate from the member to prove the land's ownership. Comparing the information between the shapefile and the ownership to use the land document. For example, 27 sample members have sampling for plot inspection on this audit. They can demonstrate the document to prove their land, and found land right document as for land title, Nor Sor 4Kor Nor.Sor.3Kor, and Sor Por Kor 4-01 issued by Department of land Thailand.  The group manager verifies the group's information using a shapefile to compare the land to find accuracy. On-site audit the group manager maintains a list of the member, including the coordinates. The group manager obtained the coordinate from the member to prove the land's ownership. Comparing the information between the shapefile and the ownership to use the land document.  Notwithstanding, clear hardcopy of documented information related to evidence of ownership, or rights to use the land among smallholder members could be improved further.	OFI

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.	Based on the on-site assessment, most of the members have developed the land for agricultural purposes before joining RSPO certification under this group. Therefore, there is no FPIC process conducted at this point at that time. All individual members have the full right to use the land for oil palm cultivation under land deeds, licenses from the governmental authorities concerned, such as the Department of Land, Agricultural Land Reform Office of Ministry of Agriculture and Cooperatives.  The group can demonstrate the list of members, including the document stating land ownership rights or land. Sampling the group members during the onsite assessment on hold land deeds or landuse rights issued by the Department of Land as following:  Mr.Wunphiao Siangchin member no. 96 land license land deeds no. 6635  Mrs.Chaluai Witthi member no. 258 land license Nor sor 3 no.1791  Mr.Methawee Nuanla-ong member no. 96 land license no. 10444	Complied
Milestone B	Smallholder plots are clearly and visibly demarcated and maintained, and the smallholders are operating only within these boundaries.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has boundary poles procedure "The manual of Lumnam Kadae Pattana Oil Palm Community Enterprise Group, dated Effective August 2022". In this procedure it is stipulated that: Each smallholder who is a member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group is required to have a boundary pole.  - Ensure confirmation of boundary pole with other smallholders (surrounding plots).  - Install cement with a depth of 1.5 meters and a minimum height of half a meter on outside corner. This is to prevent land dispute with others  - Give a striking and easily recognizable color to the boundary poles of your land, for example by using blue, red, grey, yellow, white paint.	Complied



		- Strengthen the planting position of the boundary poles from national land agency Give a marker such as a sign or signpost which contains a notification made of a cement plate, which states that the land ownership.  Based on field verification on sample of Smallholders plots, it shows that the boundary between the Smallholders made by PVC filled with cement and colored red at the top of the stake, while the bottom is white. The land boundaries between smallholders are also in the form of palm fronds arrangement along the border or access road/ditch. Each Smallholder's land are also equipped with smallholder's ID board which contains information of land ID, Land area.	
Criteria 2 Smallholde approach.		or other users without their free, prior and informed consent, based on a s	implified 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).	As per Lumnam Kadae Pattana Oil Palm Community Enterprise Group Declaration by members & Smallholder Evaluation Form by group manager, all current sampled smallholder members demonstrated that they have not acquired land without free, prior and informed consent of indigenous peoples, local communities or other users and they have land ownership as per documents. The group member can show the evidence about how long that they are started owned the land. The detail of the time for owned the land was found on the back of land in-deed and founded another detail such as Landowner name, the started period of holding the land, Grant Number/Land Title Details, Date of Transfer and the previous landowner's name. Moreover, Verify the evidence from the land and from interviewing found mostly land obtained bypassed down from ancestors.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		The group has 238 members with a total of 401 plot. The land is a private ownership area that has been completed with a title of ownership. Ownership rights are obtained from the Department of Land. During the on-site audit assessment, most members could legally document the majority of land acquisition. Interviews with sampling member, found that they able to demonstrate understanding on FPIC, and was trained on 28 Jan 2023 by the past found that there is no land dispute.	
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, all plots are originated from villagers' ownership (land purchases, grants or inheritance rights). Through public consultations with village heads and government agencies in Lumnam Kadae Pattana Oil Palm Community Enterprise Group, information obtained that there were no indigenous peoples around the smallholders plots.  Based on public consultations with village representatives, information obtained that several administrative locations of plots had moved from one village to another due to village expansion or changes in village administrative boundaries. Based on the results of interviews with village representatives and previous landowners, it can be concluded that:	Complied
		<ul> <li>The process of transferring land ownership rights was carried out properly, there was no coercion and land related problems.</li> <li>Prior to the sale and purchase of land, a survey of the land is conducted to determine the boundaries of the land and the completeness of the land legality documents. The site survey was carried out by the landowner (the seller) and the prospective land buyer and witnessed by village heads, community leaders and neighboring land borders to ensure that the land was not in a dispute condition.</li> </ul>	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		• The transfer of land ownership can be proven by the issuance of a land sale and purchase receipt, which will then be processed at the Lands Office to issue.  All documents of land ownership transferring process which mentioned above are properly available at the Lumnam Kadae Pattana Oil Palm Community Enterprise Group, office. So far, there is no conflicts or complaints occurred after the land sale process carried out.  Lumnam Kadae Pattana Oil Palm Community Enterprise Group has conducted verification to the land of the prospective member during registering to join the Lumnam Kadae Pattana Oil Palm Community Enterprise Group. It is stated in the "The manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group," that the Smallholder does not clear land or obtain land from indigenous peoples, local communities or other users without FPIC from them based on simplified FPIC approach, they have been able to show the document of "- Form of Disclosure for History of Land Tenure and Land no Conflict as Appendix 3, Standard for Independent Smallholders RSPO.	
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).	Same Milestone A.	Complied
Criteria 2.	3		
The right to	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).	As per Lumnam Kadae Pattana Oil Palm Community Enterprise Group Declaration by members & Smallholder Evaluation Form maintained by group manager in individual members file and copied to all smallholder members. All members have signed the Smallholder Declaration Form on 16/6/2022 which include the commitment towards requirements as per Appendix 1.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

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	All smallholder member have signed declaration letter - "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" whereby at point D.10 stated that all smallholder committed to resolves any existing disputes.	Complied
		Based on data verification of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Smallholders as of August 2022, interviews with Smallholders, Village Heads, and government agencies of Lands Office Regency, obtained information that currently	
		there are no land disputes between Lumnam Kadae Pattana Oil Palm Community Enterprise Group member with indigenous peoples, local communities, or other users.	
		In addition, they also have a land conflict resolution mechanism approved by the Group Manager which has been effective since August 2022. The procedure explains that in the event of a land conflict, the resolution will be through a family approach involving the village head and community leaders.	
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	Same as Milestone A.	Complied
Criteria 2.	4		
Smallholder Interpretati		tected areas, as defined by national, regional or local law or as specific	ed in National
Eligibility	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).	As per coordinates, maps verification and checking on satellite image by BSC. Through the Smallholder LUCA, as at 01Jan 2023, no smallholder plots are located under area classified as national park and protected area. In addition, based on public consultations with government agencies in Lumnam Kadae Pattana Oil Palm Community	Complied

#### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Enterprise Group, information was obtained that there were no national parks or protected areas around the land owned by Lumnam Kadae Pattana Oil Palm Community Enterprise Group member farmers. Based on document verification (overlay of operational maps and regional spatial maps of Suratthani Province) it shows that none of the smallholders land is located within the national park or protected area. In addition, based on public consultations with government agencies of Lands Office Regency, obtained information that there are no national parks or protected areas around the smallholders land. According to HCV identification document that conducted in 01Jan 2023, shows that there is no existence of Protected Forests/Protected Areas or National Parks around Lumnam Kadae Pattana Oil Palm Community Enterprise Group working area. Based on verification of the smallholder registration documents, it shows that ICS has carried out field verification, including ensuring that the land controlled by the prospective member is not included in state land in the form of Forest Areas, Protected Areas, and National Parks through the overlay of smallholder map (Geolocations) and map of Suratthani Province Forest Area. During the field visit, it was shown that all smallholder's land are owned by members and had ownership status as indicated by land ownership documents in the form of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Based on interviews with village government officials, stated that land controlled by residents but located in the forest area cannot be registered in Lumnam Kadae Pattana Oil Palm Community Enterprise Group membership, this is also understood by the sampled smallholders.

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

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).	Same as Eligibility.	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).	Same as Eligibility.	Complied
Criteria 2.	.5		
•	anting, smallholders do not clear or acquire any land without obtaining thes and/or other users, based on a simplified FPIC approach.	ne free, prior and informed consent (FPIC), of indigenous people and/or l	ocal
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 approach (refer to appendix 1).	As per Lumnam Kadae Pattana Oil Palm Community Enterprise Group Smallholder Declaration by members & Smallholder Evaluation Form maintained by group manager in individual members file and copied to all smallholder members. All members have signed the Smallholder Declaration Form on 01 May 2022- 31 Aug 2022 which include the commitment 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 approach requirements as per Appendix 1.  Since the last audit ASA 2 till now, there has been no new planting in the LUMNAM KADAE group. Moreover, there is no plan to conduct new planting shortly.	Complied
Milestone A	A Smallholders complete training on how to conduct a simplified FPIC approach.	Even though neither any new planting has been conducted nor plan to conduct new planting, the smallholders have been given simplified FPIC approach training as a preventive action of land learing/acquisition with no FPIC. The simplified FPIC approach training has been refreshed and included in RSPO ISH 2019 standard training conducted on 28 Jan 2023.	Complied

#### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

All smallholder member have signed declaration letter - "Lumnam Kadae Pattana Oil Palm Community Enterprise Group Smallholder" whereby at point D.1.6 stated that all smallholder committed to not clearing or acquiring land from indigenous people, local communities, or other users without their free, prior and informed consent (FPIC), based on a simplified FPIC approach.

Lumnam Kadae Pattana Oil Palm Community Enterprise Group has verified the land at the beginning of the smallholder registering to join and it is stated in the "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" which explains that the Smallholder does not clear land or obtain land from indigenous peoples, local communities or other users without FPIC.

During field visits to smallholders' plots, it was shown that all oil palm plants were already at Mature (TM) age and Immature age. Based on the verification of the plant data of smallholders, it shows that the data is complemented by the year of planting, which the oil palms was planted in the period of 1997 - 2022, means the oldest plant is 25 years old and the youngest is 1 years old. The total area of all 13 smallholder immature plots. The transfer of land ownership can be proven by the issuance of a land sale and purchase receipt, which will then be processed at the Lands Office to issue to the sale and purchase of land, a survey of the land is conducted to determine the boundaries of the land and the completeness of the land legality documents. The site survey was carried out by the landowner (the seller) and the prospective land buyer and witnessed by village heads, community leaders and neighboring land borders to ensure that the land was not in a dispute condition. all current sampled smallholder members demonstrated that they have not acquired land without free, prior and informed consent of indigenous peoples, local communities or other



	users and they have land ownership as per documents. The group member can show the evidence about how long that they are started owned the land. The detail of the time for owned the land was found on the back of land in-deed and founded another detail such as Landowner name, the started period of holding the land, Grant Number/Land Title Details, Date of Transfer, and the previous landowner's name.	
	Based on document verification and interviews with Group Manager and ICS, obtained information that there are no plans for new planting of smallholders in the next 5 years.	
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.  .	Since the ASA2 until Now, neither any new planting in LUMNAM KADEA Group, no plan to conduct new planting shortly. However, based on the document review Smallholder Declaration and interviews in the field, they have understood the commitment to conduct new land acquisition with FPIC process with indigenous people, local communities, or other users.	Complied

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

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

Therefore, the Independent Smallholder Standard presents rigorous requirements on labour to prevent labour abuses and make these practices applicable to groups across all regions. This approach will increase adoption of better labour practices at a larger scale and increase RSPO's impact.

For those farmers that only use family labour within one household, this standard uses a 'skip-logic' for several labour requirements. In order to skip indicators, farmers must declare their source of labour, determining which criteria apply to them and which do not. (see also paragraph 3.1.3).

# 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 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

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

	provide information on the source of labour on the farm, including family, contract and hired labour (refer to appendix 1).	no. 2 of 55 of Sustain manual group Rev. 20 Sep 2022 that also include related source of worker, gender, type of activity, etc. Based on an interview with Ms. Uraiwan P. (Group manager) and sampling members, they provide information on the source of labour on the farm, including family, contract and hired labour requirements found thatthey were able to show a signed declaration regarding not using workers from forced labor practices and that the casual worker conducts the job voluntarily.	
		<ul> <li>Sampling signed declaration by members as follows:</li> <li>Member no. 31; Mr.Wisut B.; 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 17 Sep 2014 and signed the declaration on 24 Aug 2020.</li> </ul>	
		<ul> <li>Member no. 33; Mr.Sangaporn P.; 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 17 Sep 2014 and signed the declaration on 24 Aug 2020.</li> </ul>	
		<ul> <li>Member no. 114; Mr.Kan C.; 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 19 Mar 2016 and signed the declaration on 24 Aug 2020.</li> </ul>	
		<ul> <li>Member no. 258; Mrs.Chaluai W.; 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 17 Feb 2020 and signed the declaration on 24 Aug 2020.</li> </ul>	
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:	Lumnam Kadae Pattana Oil Palm Community Enterprise Group, has provided refresh training to all members and their casual workers	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

	<ul> <li>Retention of identity documents including but not limited to passports;</li> <li>Payment of recruitment fees by workers;</li> <li>Contract substitution;</li> <li>Involuntary overtime;</li> <li>Lack of freedom of workers to resign;</li> <li>Penalty for termination of employment;</li> <li>Debt bondage;</li> <li>Withholding of wages</li> </ul>	<ul> <li>(Harvesters, fertilizers and sprayers) on 28 Jan 2023 was attended by 220 members. The material provided at the training includes:         RSPO requirement         <ul> <li>Prohibition of Discrimination, Forced Labor and Trafficking</li> <li>Prohibition of employing minors and prohibition of Using Child labor</li> </ul> </li> <li>Prohibited of Retention of identity documents including but not limited to passports, Payment of recruitment fees by workers,</li> <li>Contract substitution, Involuntary overtime, Lack of freedom of workers to resign, Penalty for termination of employment, Debt bondage, Withholding of wages</li> <li>Manpower socialization, including: workers' rights, work contracts,</li> <li>standardization of wages, working overtime, termination of employment in accordance with applicable laws and regulations.</li> </ul>	
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 Work Agreement documents. This Agreement Letter is made in 3 (three) copies which can be held by each party, including their family members.  Based on interviews with members and verified the log book of members casual harvest workers during field visit Member no. 31; Mr.Wisut B, Member no. 33; Mr.Sangaporn P, Member no. 114; Mr.Kan C.; and Member no. 258; Mrs.Chaluai W. confirmed that they were given the freedom to access identity documents, and could freely opt for the jobs listed in the Employment Agreement Letter.	Complied



Children ar	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	<ul> <li>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:</li> <li>1. Compliance with the minimum age of workers and as defined by local, state, or national law,</li> <li>2. Not exposing children to hazardous work.</li> <li>3. Providing adult supervision of young people working on the farm.</li> <li>4. Ensuring the practice of children's rights to education is unrestricted and respected.</li> <li>(Refer to appendix 1).</li> </ul>	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 55 of Sustain manual group Rev. 20 Sep 2022  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, it must be under parental supervision, and not do risky jobs such as picking the dropped fruit.  Signed declaration to commit to not use child labour on 24 Aug 2020 The policy is also stated in the member recorded book Moreover. Verify the casual worker registered found age was over 18 years.	Complied		
Milestone A	<ol> <li>Group managers and smallholders implement measures to protect children as follows:</li> <li>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.</li> <li>Children are only permitted to help on family farms and are not permitted to perform dangerous, hazardous or heavy work.</li> <li>If young workers are employed, their work is not mentally or physically harmful and does not interfere with their schooling, if applicable.</li> </ol>	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 55 of Sustain manual group Rev. 20 Sep 2022  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, it must be under parental supervision, and not do risky jobs such as picking the dropped fruit.  Signed declaration to commit to not use child labour on 24 Aug 2020. The policy is also stated in the member recorded book. Moreover verification the casual worker registered found age was over 18 years. Based on field visits to harvest activities in the plot of Member no. 33; Mr.Sangaporn P and Member no. 258; Mrs.Chaluai W and the harvester, it was proven that there were no workers under 18 years of age. Based on the list of worker, also include personal identity (ID	Complied		



		Card number) to see the age of the worker. The youngest age on the list is; Date of birth 12 Jul 1974 (48 years old) and working since January 2015.	
Milestone B	<ol> <li>Group managers and smallholders implement measures to protect children as follows:</li> <li>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.</li> <li>Children are only permitted to help on family farms and are not permitted to perform dangerous, hazardous or heavy work.</li> <li>If young workers are employed, their work is not mentally or physically harmful and does not interfere with their schooling, if applicable.</li> </ol>	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 55 of Sustain manual group Rev. 20 Sep 2022  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, it must be under parental supervision, and not do risky jobs such as picking the dropped fruit.  Signed declaration to commit to not use child labour on 24 Aug 2020 The policy is also stated in the member recorded book. Moreover, verification the casual worker registered found age was over 18 years.  Based on field visits to harvest activities in the plot of Member no. 33; Mr.Sangaporn P and Member no. 258; Mrs.Chaluai W and the harvester, it was proven that there were no workers under 18 years of age. Based on the list of worker, also include personal identity (ID Card number) to see the age of the worker. The youngest age on the list is; Date of birth 12 Jul 1974 (48 years old) and working since January 2015.	Complied
Criteria 3. Workers' policial regula	ay complies with minimum legal requirements, mandatory industry stand	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 Oct 2022. Minimum wage at Suratthani Province is 340/day.	Complied

		Based on document of Logbook and weighing Billing record in accordance with the type of work they do:  • Harvest work of 700-1000 Baht per ton, including	
		<ul> <li>transportation to factory</li> <li>Pruning work on average 15-20 baht per tree</li> <li>fertilization work of 50 baht per bag</li> <li>Spraying work of 150 baht per liter.</li> <li>Weed control by manual (using machinery) of 10 baht per tree</li> </ul>	
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 women.	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- Apr 2023 such as  Record payment of wages on: 5 Feb 2023  On behalf of: Mr. Nava P.  Plot owner/Farmer: Mrs. Chaleaw  Type of Work: harvesting  Total Weight: 3.110 MT  Wages received by workers: 3,110 Baht (1,000 baht/MT).  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.	Complied



Milestone B  Criteria 3. Workers un	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 women.  4  derstand their rights and freedom to file a complaint/grievance to group	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- Apr 2023 such as  Record payment of wages on: 5 Feb 2023  On behalf of: Mr. Nava P. Plot owner/Farmer: Mrs. Chaleaw Type of Work: harvesting Total Weight: 3.110 MT  Wages received by workers: 3,110 Baht (1,000 baht/MT).  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 slip above, found workers' wages above the minimum wage on 1 Oct 2022 (340 baht/day). During the field trip, interviews were conducted with several harvesters serviced for Member ID no. 122 (Mrs.Wannee K.), Member ID no. 47 (Mr.Suchat P) and Member ID no. 106 (Mrs.Chaliaw K.) that the payment had been made fairly and no discrimination.	Complied
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



- Member ID no. 122 (Mrs.Wannee K.), Signed agreement for Sustainable Palm Oil Smallholders on 22 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.
- Member ID no. 47 (Mr.Suchat P.), Signed agreement for Sustainable Palm Oil Smallholders on 29 Oct 2013 and Signed Small holder declaration on 24 Aug 2020.
- Member ID no. 106 (Mrs.Chaliaw K.), Signed agreement for Sustainable Palm Oil Smallholders on 21 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.

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.

Moreover, the group established the suggestion box at the group office and retrained to all members on date 18 Jan 2023 via ordinary meeting.

The confidentiality of the Reporting Person is guaranteed. The Approval Committee is prohibited from disclosing the identity of the reporter to the public or other parties. Resolution of complaints or suggestions through deliberation to reach a consensus. The subject of the complaint which is confidential, if it cannot be resolved internally in the LUMNAM-KADAE group management will submit the matter to the competent authority for further action.

From verified by sampling members interviewed, including stakeholder interviewed from lasted Jan 2022 till 30 June 2023, 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 Sustainable Manual issued 20 Sep 2022. 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 ".	Complied
		This procedure has been socialized to all farmers and all casual workers lasted on 28 Jan 2023,	
		The material provided at the training includes:	
		Prohibition of Discrimination, Forced Labour and Trafficking	
		2) Prohibition of employing minors and prohibition of Using Child Labour as well.	
		3) Manpower socialization, including: workers' rights, work contracts, standardization of wages, freedom of association, working overtime, termination of employment in accordance with applicable laws and regulations.	
Milestone B	Workers are aware of and have access to an effective means for filing a complaint/grievance.	Result from interview with selected members confirmed that they are aware complaints and grievance mechanism. They can also demonstrate their understanding of the process for compliance and grievance. The record on the farm record book showed no evidence of any dispute and complaints raised by stakeholder, community leader, governmental officers, and local communities even though they know the right to give the complaints and grievances regarding the group and group members activities.	Complied
		In period Jan 2022 to Jun 2023 no suggestions or complaints were posted through the suggestion box.	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		Based 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.	
Criteria 3.	.5		
Working co	anditions 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 member signed a declaration to provide safe working conditions and facilities for the workers. The group established the Occupational health and safety stated on LUMNAM KADAE Sustainable Manual Issued 20 Sep 2022. Smallholder members have signed the statement to provide PPE for permanent workers.  However, all members had only casual workers and they were prepared by themself. 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	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 established the risk assessment on occupational health and safety in the year 2022 -2023 for all member and casual workers on 7 Mar 2023, 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.  Training for OHS and safety risk associated with farm work (including that of pesticide/paraquat usage and risk identification as well) and	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		how to mitigate them has been conducted on 7 Mar 2023 for 238 participants. 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 Jan 2022 to May 2023.	
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	Casual workers including family member have access to safe working conditions and amenities. Each workers and smallholder has their own housing.  During field observation confirmed that first aid kit provide has met with the standard. Evidence of first aid kit provision are available. PPE has been prepared by casual workers themselves, they can be demonstrated during audit.  Based on sampling members and casual worker to interviewed such Member ID no. 122 (Mrs.Wannee K.), Member ID no. 47 (Mr.Suchat P) and Member ID no. 106 (Mrs.Chaliaw K.), they can demonstrate and there prepared Health and safety equipment, including minimum personal protective equipment (PPE) if appropriate for the type of work.,. Adequate drinking water the workers arrange by them self members provided only some soft drink, and access to toilets not restrict.	Complied
Criteria 3. There is no	6 discrimination, harassment, or abuse on the farm.		
Eligibility	Smallholders commit to no discrimination, harassment or abuse on the farm (Refer to appendix 1).	Smallholder members have signed the agreement and stallholder declaration statement which stated at point "No discrimination, harassment or abuse on the oil palm plantation".  Lumnam Kadae Pattana Oil Palm Community Enterprise Group has policies related to discrimination, violence, forced labour and abuses	Complied

		at work based on Sustainable Group Manual issued 20 Sep 2022 including the small holder 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 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 28 Jan 2023. This socialization was attended by 238 members/farmers and workers, attendance lists and materials can be shown during the audit.	
Milestone A	Smallholders complete training on workplace discrimination, harassment and abuse and are aware of need for a safe workspace.	Smallholder members have signed the agreement and stallholder declaration statement which stated at point "No discrimination, harassment or abuse on the oil palm plantation".  LUMNAM Group has policies related to discrimination, violence, forced labour and abuses at work based on Sustainable Manual Issued 20 Sep 2022 including the small holder declaration letter.	Complied
		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 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 28 Jan 2023. This socialization was attended by 238 members/farmers and workers, attendance lists and materials can be shown during the audit.	
		Based on sampling members and casual worker to interviewed such Member ID no. 122 (Mrs.Wannee K.), Member ID no. 47 (Mr.Suchat P) and Member ID no. 106 (Mrs.Chaliaw K.), 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.	Smallholder members have signed the agreement and stallholder declaration statement which stated at point "No discrimination, harassment or abuse on the oil palm plantation".	Complied
		LUMNAM Group has policies related to discrimination, violence, forced labour and abuses at work based on Sustainable Manual Issued 20 Sep 2022 including the small holder 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 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 28 Jan 2023. This socialization was attended by 238 members/farmers and workers, attendance lists and materials can be shown during the audit.	
		Based on sampling members and casual worker interview such Member ID no. 122 (Mrs.Wannee K.), Member ID no. 47 (Mr.Suchat P) and Member ID no. 106 (Mrs.Chaliaw K.), they can demonstrate , that they can freely express that they are working in a place that is free from discrimination, harassment or abuse	

#### 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.

Eligibility	Smallholders commit to protect HCVs and HCS forests through the	All smallholder members of Lumnam Kadae Pattana Oil Palm	Complied
Liigibility	precautionary practices approach (Refer to appendix 1).	Community Enterprise Group have signed commitment to protect HCV	Complied
		area as stated in "Lumnam Kadae Pattana Oil Palm Community	
		Enterprise Group" which at point D.1.5 mentioned all smallholder	
		commit to protect HCVs and HCS forests through the precautionary	
		practices approach.	
		Lumnam Kadae Pattana Oil Palm Community Enterprise Group in	
		cooperation with BSC have conducted LUCA report assessment in since	
		2015 and 2022. Final report of LUCA assessment issued in Jan 2023	
		(latest update), available at Lumnam Kadae Pattana Oil Palm	

		Community Enterprise Group office. According to the report there are no HCV identified inside the smallholder area, the policy of Lumnam Kadae Pattana Oil Palm Community Enterprise Group and also regulation. HCV management and monitoring for the riparian zone have been developed by Lumnam Kadae Pattana Oil Palm Community Enterprise Group. The management of the riparian zone including: Boundary marking of riparian zone to prohibit spraying and chemical application activity with the distance ± 4 m or one last row of crops from the riverbank. Based on manual Roundtable on sustainable palm oil for smallholder management manual eff Aug/2022 regulated that chemical spraying is prohibited near riverbanks.  - Installation of riverbank protection information boards.  - Enrichment by planting woody plants (Bamboo trees);  - Monitoring of riparian area.  In detail, all of smallholder have been verified during the registration process, including if there is HCV exist, shown in document "manual Roundtable on sustainable palm oil for smallholder management manual eff Aug/2022". The checklist contain detail information of smallholder, social, environment, summary of HCV identification, questionnaire of HCV assessment, and result of wildlife monitoring. There are some key species identified but not include in RTE species. Wildlife species identified such as Phyton, Tyto alba, and Lapwings. Based on HCV and HCS identification, there is no identified vegetation cover or areas with high carbon stock values in smallholder members lands, all smallholder areas are in the form of intensively managed oil palm plantations.	
Milestone A	<ul> <li>Smallholders complete training on and are aware of:</li> <li>The importance of maintaining and conserving HCVs and HCS forests</li> </ul>	Training on the management and protection of HCV and HCS areas, Rare, Threatened and Endangered (RTE) species and important ecosystems has been carried out since 2015 and 2022. The last refreshment was carried out by ICS to all Farmer Groups date on	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

	Human-wildlife conflict;     and     Rare, threatened and endangered species and important ecosystems.	28/Jan 2023. HCV training for Lumnam Kadae Pattana Oil Palm Community Enterprise Group members was conducted by Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Evidence of training can be shown during audit in the form of photograph, attendance List and training materials delivered by the ICS team"  During field visits to smallholder plots and interviews with smallholders, they stated that they had attended HCV training by the ICS and Training teams. They have also understood the importance of protecting HCV, wildlife, RTE species and their protected areas.	
Milestone B	Smallholders implement precautionary practices and manage and maintain rare, threatened and endangered species, HCVs and HCS forests, where applicable	Based on interviews with sample of smallholders, indicated that they had an understanding of the protection of RTE species. Hunting of wild animals is prohibited by the Lumnam Kadae Pattana Oil Palm Community Enterprise Group policies and regulations and stated in "Lumnam Kadae Pattana Oil Palm Community Enterprise Group "—Smallholder's statement letter signed by each smallholder. At point D.1.5 states that each member is committed to protect HCV and forests with high carbon stocks (HCS) through a precautionary practice approach.  Based on field visits, it is shown that Lumnam Kadae Pattana Oil Palm Community Enterprise Group has posted signboards prohibiting hunting and protected species at locations that can be accessed by the public, such as in front of the Lumnam Kadae Pattana Oil Palm Community Enterprise Group office or at access roads to smallholders plot.  Lumnam Kadae Pattana Oil Palm Community Enterprise Group has procedures for animal protection and prevention of human-wildlife conflict in accordance to QM for the Protection of Wildlife or Rare Animals (Document No: sustainable palm oil for smallholder management manual), dated 12Aug 2022 page on 43/63. Smallholder immediately reported to the Farmer Group leader and Group Manager if found RTEs. During 2022 period there was no report regarding the	Complied



		presence of RTE in the area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group smallholder.  Monitoring and management of HCV around smallholder plantations area has been carried out by ICS and each Smallholder. Monitoring records are available. The monitoring report are prepared in monthly basis, for example available monitoring report for period 01June 2023.	
		During field visits to the sample of smallholder plots and the HCV area around the plantation, it can be shown that there is no disturbance to the HCV area and there is no illegal hunting. Smallholder members recognize their responsibility to protect wildlife and their habitats on their land or in its surroundings.	
	<b>4.2</b> e existing smallholder plot has been planted and cleared after November 2 RaCP process appropriate for smallholders based on Land Use Change An		the eligibility
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).	All smallholder member have signed declaration letter - "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" whereby at point D.1.5 stated that all smallholder provided information on all plots converted and planted with oil palm after 2005 (through use of the simplified combined HCV-HCS approach for Smallholders).  Lumnam Kadae Pattana Oil Palm Community Enterprise Group in cooperation with BSC have conducted LUCA Report assessment in November 2015 and 2022. Final report of LUCA report assessment issued in 01 Jan 2023 (latest update), available at Lumnam Kadae Pattana Oil Palm Community Enterprise Group office. According to the	Complied

		oil for smallholder management manual eff Aug/2022 regulated that	
		chemical spraying is prohibited near riverbanks.	
		- Installation of riverbank protection information boards;	
		- Enrichment by planting woody plants (Bamboo trees);	
		- Monitoring of riparian area.	
		In detail, all of smallholder have been verified during the registration	
		process, including if there is HCV exist, shown in document "manual	
		Roundtable on sustainable palm oil for smallholder management	
		manual eff Aug/2022".	
		Report of HCV assessment documented in "manual Roundtable on	
		sustainable palm oil for smallholder management manual eff Aug/2022	
		regulated" Aug 2022 (latest update).	
		In detail, all of smallholder have been verified during the registration	
		process, including if there is HCV exist, shown in document the	
		checklist contains detail information of smallholder, social,	
		environment, summary of HCV identification, questionnaire of HCV	
		assessment, and result of wildlife monitoring.	
Milestone	Group members develop a plan to identify the maximum area for on-	It is verified during the current on-site assessment that the Lumnam	Complied
Α	site	Kadae Pattana Oil Palm Community Enterprise Group has declared and	
	remediation of HCVs lost since 2005 and HCS forests lost since	submitted its Land Use Change details for analysis for its plantings	
	November 2019, through a participatory process and the plan is	since Nov 2005 as per the calculations specified in the RSPO LUCA	
	submitted to RSPO.	Report date on 30/Jan/2022. The record of the submission made to	
		the RSPO Secretariat for the current year was verified done on	
		30/Jan/2021 LUCAs been submitted and completed its review. Based	
		on the details provided in the record of submission, it is confirmed that	
		there is no potential liability under the RSPO Remediation and	
		Compensation Procedure at this Lumnam Kadae Pattana Oil Palm	
		Community Enterprise Group.	
		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.	
Milestone B	An RSPO-approved plan to remediate for HCVs lost since 2005 and HCS forests lost since November 2019 is implemented.	It is verified during the current on-site assessment that the Lumnam Kadae Pattana Oil Palm Community Enterprise Group has declared and submitted its Land Use Change details for analysis for its plantings since Nov 2005 as per the calculations specified in the RSPO LUCA Report date on 01/Jan/2023.	Complied
		It is confirmed by the Management of Lumnam Kadae Pattana Oil Palm Community Enterprise Group grouping that the organization has long-term business plans to enter into the development of any new plantings or to make any acquisitions of new plantings of Mr. Mathawee pilot4 totally 2.97 Ha for new oil palm planting/development of new areas. Smallholder member has signed the statement letter "Lumnam Kadae Pattana Oil Palm Community Enterprise Group "No new planting or no expansion of existing farms in primary forests, HCV areas, HCS forests, in riparian areas, or on steep slopes (≤ 25 degrees or as in National Interpretation). The estate lands are legally owned by the Lumnam Kadae Pattana Oil Palm Community Enterprise Group. The member estates are not encumbered by any customary land rights. Interview with the surrounding communities and stakeholders confirm that there is no dispute.  According to above, thus there were no remediated plans according to the reason defined above. There is no plot planted after the year 2005. The group Manager does not need to process LUCA (Issued January 2023) or identify any remediation plan.	

#### Criteria 4.3

New planting of independent smallholders, since November 2019:

• Do not replace any HCVs

#### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

- Do not replace any HCS forests as defined by the simplified combined HCV-HCS approach
- Are not on steep slopes (more than 25 degrees or as in the National Interpretation)
- Are 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).

It is confirmed by the Management of Lumnam Kadae Pattana Oil Palm Community Enterprise Group grouping that the organization has long-term business plans to enter the development of any new plantings or to make any acquisitions of new plantings.

To date, the Lumnam Kadae Pattana Oil Palm Community Enterprise Group has member carried any new plantings after Nov 2005, which may be applicable under the RSPO New Planting Procedure requirements. If members have to do new planting, they must notify the group by submitting a change request form for the group to consider and make decisions according to the group manual.

Overall, the provisions of Principle 4 are verified as being 'applicable' to this Lumnam Kadae Pattana Oil Palm Community Enterprise Group community during this assessment.

It is verified during the current on-site assessment that the Lumnam Kadae Pattana Oil Palm Community Enterprise Group has declared and submitted its Land Use Change details for analysis for its plantings since Nov 2005 as per the calculations specified in the RSPO LUCA Report date on 30/Jan/2021. The record of the submission made to the RSPO Secretariat for the current year was verified done on 01/Jan/2023 LUCAs been submitted and completed its review. Based on the details provided in the record of submission, it is confirmed that there is no potential liability under the RSPO Remediation and Compensation Procedure at this Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Moreover, the group was surveyed and monitored yearly during the internal audit.

Complied



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	Since the ASA2 until Now, neither any new planting in LUMNAM KADEA Group nor plan to conduct new planting in shortly, and according the LUCA report issued 1 Jan 2023, Lumnam Kadae Pattana Oil Palm Community Enterprise Group (Group 3) on all smallholder's area where there was non-compliant land clearance i.e. land clearing after November 2005 without prior HCV assessment reported. The land cover in November 2005 of Lumnam Kadae Pattana Oil Palm Community Enterprise Group (Group 3) Group, Thailand that was subsequently converted to oil palm totaled 42.13 hectares, and the final conservation liability (FCL) calculated is 0.0 hectares. There are no plots have been identified for remediation action as none of the plots were planted inside the riparian zone of a natural river, or on steep slopes. There are no plots planted on peat. The HCV assessment was reported on 14 July 2022.  Based on interview and document verification, confirmed that there is no planting for Lumpan Kadao group to do the new planting or	Complied
		no planing for Lumnam Kadae group to do the new planting or expansion. All member plantation are existing palm oil plantation	
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 the interview and document verification, confirmed that there is no planning for Lumnam Kadae group to do the new planting or expansion. All member plantations are existing palm oil plantations. The group has no plans for new oil palm planting/development of new areas. Even though neither any new planting has been conducted nor plan to conduct new planting, the smallholders must RSPO approved integrated management plan for their planned new planting and share notice of this plan with those involved in the participatory mapping before any land preparation commences via LUCA process.	Complied

#### Criteria 4.4

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

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Eligibility	Group manager confirms presence of peat on existing plots within the group and smallholders on peat commit to using best management practices (BMPs), and minimizing subsidence and degradation of peat soils (Refer to appendix 1).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable
Milestone A	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.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable
Milestone B	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.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable
Criteria 4	.5		
Plots on pe	eat are replanted only on areas with low risk of flooding or saline intrusio	n 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).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Milestone A	Smallholders with plots on peat complete training on identification of future risks of flooding or saline intrusion and alternate land development strategies.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable
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.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group currently do not have members with plots exist on peat, subsidence and degradation of peat soils as per Smallholder Land Use Change Analysis (LUCA) for Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 01/01/2023 conducted by BSC and High Conservation Value (HCV) Therefore, this indicator is not applicable.	Not Applicable
Criteria 4.	<b>.6</b> used on the oil palm plot for preparing land or for pest control, nor open	fire for waste management on the farm.	
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).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has committed to no burning for preparing land or for pest control, nor open fire for waste management on their farm. As per Sustainability Management Internal Control System Management Procedure Lumnam Kadae Pattana Oil Palm Community Enterprise Group — RSPO Independent Smallholder Certification with reference No: QM Lumnam Kadae Pattana Oil Palm Community Enterprise issued dated 20 Sep 2022	Complied
		Smallholders declaration form has stated on the commitment to no burning for preparing land or for pest control, nor open fire for waste management on their farm and signed by the members. Refer Section D. (1.5), "No burning and preparing land or pest control". Currently, there are 238 members joined for Lumnam Kadae Pattana Oil Palm	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		Community Enterprise Group. Refer document Lumnam Kadae Pattana Oil Palm Community Enterprise Group (RSPO Independent Smallholders Certification), Smallholder Declaration Form for:  1. Mr Udomsak N. dated 24/08/2021 2. Mrs. Chaliaw K. dated 29/05/2021 3. Mr. Cahiyawat C dated 29/05/2021 Verifying the group's relevant record found none of burning before members joined the group. Use of fire for waste disposal is also prohibited. During an interview with smallholders, members confirmed that they were aware of the policy of no burning for land preparation, pest control, and waste management.	
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:  • 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.	As per Sustainability Management Plan/ Procedure — Internal Control System Management issued 20 Sep 2022 define at Filed managements "Members should avoid the use of fire in preparing new plantings other than in the specific cases outlined in the ASEAN Guidelines or other regional best practices. Before the members will burn, they must submit the requested documents if they need to use the fire. to the Group Manager for evaluation and approval prior to use fire".  During field visit to smallholder plots, there is no evidence of new burning for land preparation for oil palm by smallholders.  During interview with smallholder member confirmed that they have aware regarding the zero burning policy and procedure for all activity in their plantation.  Lumnam Kadae Pattana Oil Palm Community Enterprise Group has annual training program as in "Timeline Lumnam Kadae Pattana Oil Palm Community Enterprise Group Refresh Lumnam Kadae Pattana Oil Palm Community Enterprise Group 2022- 2023" including best management practices, OHS, ERP, Basic Fire, capacity building on record keeping for production, including inputs and yields,	Complied



		transactions, and variety. Based on document verification obtained information of the latest training that training by Mr. Watcharin N., Mrs. Sukanya S, and Mr. Teeraphong (agricultural expert) from Prince of Songkla University, Suratthani Campus)	
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 effective measures exist and with prior approval of relevant authority.	According to the Internal Control System Management Procedure issued 20 Sep 2022 defined at Filed management to guide all members practice to comply with the requirement as "Members should avoid the use of fire in preparing new plantings other than in the specific cases outlined in the ASEAN Guidelines or other regional best practices. Before the members will burn, they must submit the requested documents if they need to use the fire. to the Group Manager for evaluation and approval prior to used fire".  During this ASA3 in Jun 2023, conducted field visit to smallholder plots, there is no evidence of new burning for land preparation for oil palm by smallholders. Interview with smallholder member confirmed that they have aware regarding the zero-burning policy for all activity in their plantation. No burning for preparing land or for pest control, nor open fire for waste management.  Waste from the usage of herbicide/ex agrochemical container manage as hazardous waste according to QM dated Aug 2022. Hazardous waste store at storage and deliver to Sangsiri CO LTD.for the next waste handling. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a contract agreement with Sangsiri Co Ltd.for hazardous waste handling and management according to according to government regulation without burning.	Complied

Riparian buffer zones are identified and managed to ensure they are maintained and/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 manager already identified riparian buffer zones within the Lumnam Kadae Pattana Oil Palm Community Enterprise Group as per Smallholder Land Use Change Analysis (LUCA) for Smallholders' declaration form has stated on the commitment to no new planting in riparian zones on their farm and signed by the members. Refer Section D. (1.5), "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)". Currently, there are 3 members joined for Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Refer document QM at this Lumnam Kadae Pattana Oil Palm Community Enterprise Group Smallholder Declaration Form for:  1. Mr UdomsakN. dated 24/08/2021 2. Mrs. Chaliaw K. dated 29/05/2021 3. Mr. Cahiyawat C dated 29/05/2021 During interviewing and document review, the group identified riparian buffer zones (nearby the river and the canal) total of 58 plots. The group has an action plan for 58 fields, such as no new plantings in riparian zones and trimming leaves to minimize and control erosion.	Complied
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.	Training on the management and protection of HCV and HCS areas, rare, threatened and endangered species and important ecosystems has been carried out since 2018. The last refreshment was carried out by ICS to all Farmer Groups and their members on 01Oct 2022- 31Dec 2022 HCV training for Lumnam Kadae Pattana Oil Palm Community Enterprise Group members was conducted by Mr. Watcharin N., Mrs. Sukanya S, and Mr. Teeraphong (agricultural expert) from Prince of Songkla University, Suratthani Campus)	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		Evidence of training can be shown during audit, such as Minutes document, Attendance List as well as training and dissemination materials delivered by the ICS team.  During field visits to smallholders' plots and interviews with smallholders, stated that they had attended HCV training by the ICS and Mr. Watcharin N., Mrs. Sukanya S, and Mr. Teeraphong (agricultural expert) from Prince of Songkla University, Suratthani Campus) on 15-16 Jul 2022 and 28 Jan 2023. They have also understood the importance of protecting HCV, wildlife, RTE species and their protected areas.	
Milestone B	Smallholders maintain and/or enhance riparian buffer zone areas.	Based on an Onsite visit, the riparian buffer zones management plan has been established by the Lumnam Kadae Pattana Oil Palm Community Enterprise Group manual as per "Lumnam Kadae Pattana Oil Palm Community Enterprise Group "For the riparian buffer zone identified, the Lumnam Kadae Pattana Oil Palm Community Enterprise Group has implemented the action to maintain the riparian buffer zone, covering:  - Boundary marking of riparian zone to prohibit spraying and chemical application activity with the distance ± 04 m or one last row of crops from the riverbank. Based on the Lumnam Kadae Pattana Oil Palm Community Enterprise Group manual regulated that chemical spraying is prohibited near riverbanks.  - Installation of riverbank protection information boards.  - Enrichment by planting woody plants and Bamboo trees.  - Monitoring of riparian area last Monitoring result date on 31/03/2023 no evident.  Riparian maintenance can be demonstrated during audits such as boundary marking of riparian areas, planting Bamboo trees prohibiting chemical activity in the riparian areas and placing the warning signboard to campaign the riparian area protection and prohibition of riparian destruction and contamination.	Complied



Criteria 4.	<b>8</b> are used in ways that do not endanger health of workers, family, commu	initios ou the anciverment	
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:  • 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)	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 required by this indicator and referred to as the BMP. Verify the Declaration document during the ASA3. The audit found a signature member on the declaration form stating that phase-out paraquat and pesticides are 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.	Complied
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).	All smallholder has attended the 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.  Evidence of series training can be demonstrated during audit, sample seen:  - Training on GAP, HCV Management, Management of Hazardous and Toxic Materials (B3) and Occupational Accident conducted in Lumnam Kadae Pattana Oil Palm Community Enterprise Group Office on 07 March 2023.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

	- Training on GAP, HCV Management, Integrated Pest Mana (IPM, and Weed Control conducted at Bunjong Buri Hotel on 2023. - Dissemination of RSPO standard 2019, GAP Training a Management conducted at Lumnam Kadae Pattana C	n 28 Jan nd HCV
	- Dissemination of RSPO standard 2019, GAP Training a Management conducted at Lumnam Kadae Pattana C	
	Management conducted at Lumnam Kadae Pattana C	
		il Palm I
	Community Enterprise Group Office Farmer Group on 15-16 J	
	- Trained as the awareness on risks for pregnant and breas women and young workers on 28 Jan 2023 and 7 Mar 2023.	tfeeding
	Evidence of training can be shown during audit. Minutes of and attendance list are available during audit.	training
i 6	Lumnam Kadae Pattana Oil Palm Community Enterprise Group policy to prohibit use of pesticides by pregnant and breastfeeding women and young workers, and exclusion of paraquat and pesticides that are tegorized as WHO Class 1A or 1B, or those listed by the Stockholm Rotterdam Conventions, unless when authorized by relevant thorities for pest outbreaks.  Lumnam Kadae Pattana Oil Palm Community Enterprise Group manual "dated 16 May 2018. Something point 5." Lumnam Kadae Pattana Oil Palm Community Enterprise Group and Fall point 5." Lumnam Kadae Pattana Oil Palm Community Enterprise Group and Fall point 5." Lumnam Kadae Pattana Oil Palm Community Enterprise Group, it was not found that herbicide spraying for weeds. To all pesticides used on smallholder plots was stated in the Kadae Pattana Oil Palm Community Enterprise Group breastfeeding women and young workers for spraying pest smallholder plot was not found. The Lumnam Kadae Pattana Community Enterprise Group has established a mechanism to pregnant and breast-feeding women, e.g., by implementing checks in the organization's clinic. Based on an interview women are not allowed to handle pesticides. Lumnam Kadae	oil Palm Stated in Interprise Fork that In plot on Interprise Inte
	d young workers, and exclusion of paraquat and pesticides that are tegorized as WHO Class 1A or 1B, or those listed by the Stockholm Rotterdam Conventions, unless when authorized by relevant thorities for pest outbreaks.  Women and young workers as per "Lumnam Kadae Pattana Community Enterprise Group manual "dated 16 May 2018." point 5. "Lumnam Kadae Pattana Oil Palm Community E Group Agreement" – not employed pregnant women to the vantable behalf of Lumnam Kadae Pattana Oil Palm Community E Group, it was not found that herbicide spraying for weeds. Tall pesticides used on smallholder plots was stated in the Kadae Pattana Oil Palm Community Enterprise Group sumanual. The pesticide used was according to the national best guidelines. During the onsite audit, the use of pregnant and breast-feeding women, e.g., by implementing checks in the organization's clinic. Based on an interview spraying workers, there is evidence that pregnant and breast-feeding workers are present the feeding workers as per Lumnam Kadae Pattana Community Enterprise Group manual "dated 16 May 2018."  The posticion of the feeding workers as per Lumnam Kadae Pattana Oil Palm Community Enterprise Group workers for spraying to the feeding workers as per Lumnam Kadae Pattana Oil Pa	Sir Meirillist as se

		gang to confirm that they have been provided with appropriate and safe application equipment. A list of pesticide operators is available in the Summary report Medical Surveillance for 17/March/2023. All workers handling pesticides must undergo annual medical surveillance at least once a year. Records of Annual Medical Surveillance are available in Occupational Medical Surveillance Programmed Record Book as per Medical Surveillance Program for 2023. Tha Thong Mai Health Promoting Hospital has conducted the medical surveillance. Based on the medical checkup result, no pesticide operator affected the cause of pesticide.	
		ced species using appropriate techniques, including but not limited to I	ntegrated Pest
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.	All smallholder has attended the training on BMPs and are aware of BMPs, including, but not limited to safe chemical use, IPM, weed and invasive species management. Evidence of series training can be demonstrated during audit, sample seen:  - Training on GAP, HCV Management, Management of Hazardous and Toxic Materials (B3) and Occupational Accident and Health Training conducted in Lumnam Kadae Pattana Oil Palm Community Enterprise Group Office on 07 March 2023.  - Refresh training on GAP, HCV Management, Integrated Pest Management (HPT), and Weed Control conducted at Bunjong Buri Hotel on 28 Jan 2023 by the ICS Team and Mr. Watcharin N., Mrs. Sukanya S, and Mr. Teeraphong (agricultural expert) from Prince of Songkla University, Suratthani Campus).	Complied

A – ICS: Group entity and group management requirements

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		- Dissemination of RSPO standard 2019, GAP Training and HCV Management conducted at Lumnam Kadae Pattana Oil Palm	
		Community Enterprise Group Office Farmer Group on 15-16 Jul 2022	
		Evidence of training can be shown during audit. Minutes of training and attendance list are available during audit.	
Milestone B	The group and smallholders maximize use of IPM approaches to minimize use of pesticides and herbicides on their farm.	During this ASA3 conducted field visit and interview to smallholder and ICS, confirmed that they have develop beneficial plants (Turnera subulata) for natural enemies of leaf eater caterpillar. Group Manager also provide Barn owl (Tyto alba) nest to conserve and develop the barn owl as a natural enemy of rats. Some smallholder conducted weeding using manual or mechanical method to minimize use of pesticides. Group manager and smallholders maximize use of IPM approaches to minimize use of pesticides and herbicides on their farm. However, 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	Non- compliance
		Thus this matter was raised major NC no. 2355799-202306-M2.	
Internal C	ontrol System requirements for smallholder groups.		



A.1 The G	A.1 The Group demonstrates that they are legally formed.			
A.1.1				
Eligibility	The Group has appointed a group manager	The meeting record of year 2022-2023 for appointment of the group	Complied	
Milestone A	The Group has appointed a group manager	chairman and group committee available with the group members. 25 Group committee reviewed and announcement on 28 Jan 2023, Mr. Wanchai Klangnarong is chairman of LUMNAM KADAE PATTANA OIL	Complied	
Milestone B	The Group has appointed a group manager	PALM COMMUNITY ENTERPRISE GROUP and Ms. Auraiwan P. is Group manager, she is appointment as group manager of Lumnam Kadae Pattana Oil Palm Community Enterprise Group since on 21 Sep 2016, when they have ordinary meeting of year 2023 on 28 Jan 2023 with the approval of the group committee and all members. All announcement were available for review including post at Group's office information board and post at Group Line application.	Complied	
A.1.2				
Eligibility	The group manager has evidence of legal identity.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group hold	Complied	
Milestone A	The group manager has evidence of legal identity.	the license no. 5-84-02-10/1-0017 registered and issued by Kanchanadit District Agriculture Office since on 12 Feb 2015 and latest registration and amendment on 29 Jan 2023 which is within due date	Complied	
Milestone B	The group manager has evidence of legal identity.	on 30 Dec 2023. And the membership of this group is confirmed by RSPO since 1 November 2014 with membership number is 1-0169-14-000-00. Even though the RSPO membership status of the group is still active or approved, the group is required to maintain RSPO membership by paying an annual RSPO membership fee to RSPO. RSPO Membership fee of Nov – Oct 2023 according to the invoice no. SIN045360 has been paid on 01 Nov 2022 undermembership-Ordinary fee	Complied	
A1.3				
Eligibility	The group has membership requirements.		Complied	

Milestone A	The group has membership requirements.	The Group has established documented manual and relevant procedures covered all activities for management of the group	Complied
Milestone B	individual members to become formal members was also establish	members. In particular, the procedure for the participation of individual members to become formal members was also established.	Complied
		The requirement state at manual issued 20 Sep 2022 at page no. 12-14; Membership and Registered;	
		Qualifications of group members	
		Membership procedure/Certification of RSPO Independent ISH.     These are included as Eligibility, Milestone A and Milestone B.     Implement with both existing group members for add new oil palm plot planted and the new comer of group, here below are requirement for joining the Pass the pre-test (initial gap audit)	
		Fill in the application form	
		Conduct the EIA and SIA	
		Delineate the map by using GPS and field inspection	
		HCV assessment	
		Stakeholder consultation meeting	
		Evaluate the compliance with RSPO requirements	
		Get approval from the approval committee and endorsement of the group manager all formal members of the group have signed an agreement with the group manager, group chairman and witness are kept at the group administration office.	
		Signed the joint declaration and comply with Lumnam Kadae Pattana Oil Palm Community Enterprise Group requirement.	
A.1.4			
Eligibility	All members have signed and acknowledged membership requirements.	Each of the member of groups who joined the Lumnam Kadae Pattana Oil Palm Community Enterprise Group signed the application Letter of	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Milestone A	All members can demonstrate understanding of membership requirements.	<ul> <li>Membership and member Group Declaration (see criteria 1.3). In addition, they also fulfil the membership requirement as described in indicator A 1.3. Sampling record signed and acknowledged and aware of membership requirements including interviewed all sampling to confirmed they can demonstrate understanding of membership requirements such as</li> <li>Member ID no. 122 (Mrs.Wannee K.), Signed agreement for Sustainable Palm Oil Smallholders on 22 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.</li> <li>Member ID no. 47 (Mr.Suchat P.), Signed agreement for Sustainable Palm Oil Smallholders on 29 Oct 2013 and Signed Small holder declaration on 24 Aug 2020.</li> <li>Member ID no. 106 (Mrs.Chaliaw K.), Signed agreement for Sustainable Palm Oil Smallholders on 21 Nov 2016 and Signed Small holder declaration on 24 Aug 2020.</li> </ul>	Complied
Milestone B	All members can demonstrate understanding of membership requirements.		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 annual ICS program, including trainings, internal audit, HCV management, land title improvement, OHS management, FFB sales reporting and transparency, external audit, annual member meeting, and annual report.	Complied
Milestone A	The group manager can demonstrate compliance of the ICS by individual members.	The group manager has established a plan and implemented the internal audit of all group members (238 members). The plan was	Complied
Milestone B	The group manager can demonstrate compliance of the ICS by individual members.	reviewed once a year. Lumnam Kadae Pattana Oil Palm Community Enterprise Group internal audit plan on the year 2022-2023, determined on member generation for new and existed members, for 238 members (100% of members).	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		A total of 13 internal auditors has the competence of the RSPO Independent Smallholder from interviews, verified the training record found 13 auditor were trained on July 2020 as topic of RSPO RISS standard by Mr. Prapas. And refresher training 24 Aug 2022 by K. Suganya and Watcharin has been given.  The effectiveness of correctives action were completed ICS. The purpose is to complete coverage of 238 smallholder members by 12 months/annual period of 2 Oct 2022 – 16 Dec 2022. The latest internal audit result not found NCR. And ICS group manager was audit on 28 Apr 2023 with no NC raised during the audit.	
A.2.2			
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 and group committee are able to demonstrate her capacity to manage and operate group certification. They attended the training RSPO Independent Smallholder Standard 2019 on 28 Jan 2023 via annual meeting by Group Manager.  The group manager has formed organization structure and has managed sufficient resources to manage the Lumnam Kadae Group, the existing resources are managed based on the Organizational Structure of the Independent Oil Palm Farmer Lumnam Kadae.  Lumnam Kadae ICS Structure, as follows:  Ms. Auraiwan P./Group Manager, approval Committee is the unit responsible for examining and approving candidate members  25 committee announcement to responsibility of RSPO RISH of Group, reviewed and approved on 28 Jan 2023 responsible as follows;  planning production, replanting and the best cultivation techniques for oil palm plantations, planning fertilization and providing production facilities for members.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		<ul> <li>Extension and Registration Unit is a unit that is responsible for socialization and field extension related to Oil Palm Cultivation and certification regulations and field implementation, this unit is also in charge of implementing new recruits.</li> <li>Internal Assessment Unit is a unit that is responsible for assessing members in the application of the P&amp;C standard for sustainable palm oil, both documents and plantation application.</li> <li>Occupational Health and Safety Unit is the unit responsible for identifying risks of work in the garden, office. Conducting outreach on the use of Personal Protective Equipment and waste management</li> <li>HCV and Field Practices units are units responsible for identifying High Conservation Values in the LUAMNAM KADAEmanagement area, carrying out management and monitoring and disseminating the importance of maintaining and protecting HCV.</li> <li>Marketing Unit is a unit that is responsible for marketing FFB members and documenting the amount of production on a regular basis and etc.</li> </ul>	
Milestone A	The group manager can demonstrate capacity to manage and operate group certification and certification requirements.	During the interview with the Group Chairman and Committee of LUMNAM KADAE Group, ICS teams, and members, can be concluded	Complied
Milestone B	The group manager can demonstrate capacity to manage and operate group certification and certification requirements.	that the effectiveness of the ICS system and implementation in the field is because of the result of the effective management system conducted by the Group Manager.	Complied
		For instance, monthly and annual ICS meetings have been conducted regularly to monitor the implementation of the standard, and confirmation by interviews with a sample of smallholders it can be concluded that the Group Manager has sufficient capacity to manage and implement the RSPO standard in the field. The resources have been mentioned and sufficiency in the report such as organization structure (team) and report to all members via annual meetings and	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		monthly information. Thus, can be concluded that the Group Manager has understood the implementation of RSPO ISH standards and how to manage the group.	
		According to procedure, RSPO sharing will be used Mandatory contribution, Organization, Members, member's plot, Organization development, members group and annual member meeting, all matter were reviewed, informed, acknowledgment and approved by all members via annual meeting lasted on 28 Jan 2023.	
A.2.3			
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.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has established the 2023 Training Plan program, it contains: Objectives, activities, achievement indicators, targets, FPIC and implementation time targets, as follows:	Complied
		training for members, including: limited pesticide use training, as well as fire prevention and control training	
		Training on RSPO Independent Smallholder's Standard (RISS) 2019 and SOP of Group.	
		Oil palm plantation best practice and sustainability	
		Limited use of pesticides	
		Hazardous Waste Management	
		Prevention and Handling of Forest and Forestry     Financial Management Training	
		<ul><li>Financial Management Training</li><li>Internal Audit Training and etc.</li></ul>	
Milesten -	The average invalous and a phone of the average	-	Committee
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.	All member has included in training when Group implement directly the Milestone B requirement.	Complied



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.	been held some training related to palm oil business. The training	
		Training topic as plan was included;	
		RISS standard,	
		<ul> <li>Internal control system, Price Mechanism, Financial Management, Difference Payment,</li> </ul>	
		GAP, BMPs, IPM, chemical use.	
		The costing and productivity record,	
		<ul> <li>member declaration, involved laws, FPIC,</li> </ul>	
		HCV & HCS,	
		human right,	
		<ul> <li>Rehabilitation and compensation plans Area clearance after Nov. 2019 according to the LUCA report.</li> </ul>	
		Give knowledge Conflict between humans and wildlife,	
		Knowledge about palm plantation in the swamp forest area.	
		<ul> <li>Knowledge management of coastal buffer zone areas and educating on the use of fire in area preparation and waste management.</li> </ul>	

#### **B – ICS: Policies and management**

**B.1** The group Internal Control System contains documented policies and procedures for operational management.

**B.1.1** 



	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	The Lumanam Kadae group has also established procedures related to improvements to internal audit findings, ICS manual Issued 20 Sep 2022 related to giving warnings and sanctions, explaining that:  • Members who violate or fail to comply with the rules or regulations or any actions that cause it to be seen as dishonest or derogatory to the group should be removed. To exit membership, do the following:  1. Verbal warning 2 times 2. Notify in writing 2 times. 3. In the case that members do not comply with items 1 and 2, they will be suspended or removed by the group committee.  Procedure for withdrawing from membership  - All committee members consider together by voice. Two-thirds leave the group members.  - Notify the results of the consideration to the removed member.  - Have the removed member fill out the resignation form in the same way as a normal resigner. But specify the reason: "The group committee has resolved to withdraw from membership."  - Group president signs approval Leaving the group  - Notify all group members at the group's annual meeting.  - Distribute names from the member registration system  • If the member does not correct the findings, it will have implications for ICS such as the certification will be pending, then the Group	Complied
		Manager has the right to exclude the member from the RSPO certification process.  The Group Manager have established plan for the implementation of ICS on the form of "The Lumnam Kadae Pattana Oil Palm Community Enterprise Group 2023", it contains activities and implementation time targets.	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		Some of the program plans of The Lumnam Kadae Pattana Oil Palm Community Enterprise Group period 2023, including:  • Training program: ICS Financial Administration training, ICS training, HCV training, RSPO P & C training, IPM training, OHS training, Fire training  • Smallholder Facilitator identification  • Communication development with relevant government  • Comparative study with other RSPO unit certification  • Development of partnership with Palm Oil Mill  • Lumnam Kadae Pattana Oil Palm Community Enterprise Group application completion  • Market development  • RSPO product sales after certification  • Socialization and identification potential new members  • FFB production identification and recording  • Enhance the organic fertilizer.  Implementation of ICS work program and procedure has been verified during audit and can be demonstrated by The Lumnam Kadae Pattana Oil Palm Community Enterprise Group.	
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 audit programmed has been determined by ICS as per The Lumnam Kadae Pattana Oil Palm Community Enterprise Group internal audit plan on the year 2022-2023, determined on member generation for new and existed members, for 238 members (100% of members). The purpose is to complete coverage of 238 smallholder members by 12 months/annual period of 2 Oct – 16 Dec 2022. The latest internal audit result not found NCR. And ICS group was audit on 28 Apr 2023 with no NC raised during the audit which is no further required to review effectiveness of correctives action taken	Complied
		auditors not to audit their own work. The letter for appointed the	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		internal issue on Sep 2022. A total of 13 internal auditors has the competence of the RSPO Independent Smallholder from interviews during this onsite audit and found training record of 13 auditors on July 2020 trained on topic of RSPO RISS standard by Mr. Prapas. And refresher training 24/8/22 by K. Suganya and Watcharin	
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.	Group manager kept the original document in the office. ICS has developed the system for managing the RSPO compliance for all smallholder member. Compliance of the ICS by smallholder member are assess through annual internal audit.  Based on field visits during ASA 3 to sampling smallholder plots and interview, that farmers have been able to explain the The Lumnam Kadae Pattana Oil Palm Community Enterprise Group. work program including training plans, internal audits, replanting plans and others.  Report of internal audit are available as per "Form Observation Internal Audit Report". Report of internal audit has been verified during audit. Based on "The Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Audit" Compliance status against requirement of RSPO Independent Smallholder Standard 2019 are available in the "Form Observation Internal Audit Report". Any findings in the report audit have been follow up. Last ICS No NCR.	Complied
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 Lumnam Kadae Pattana Oil Palm Community Enterprise Group has kept all plantations information including production data for each group member per month, recorded legality documents (Copy of land title documents), and a copy of the smallholder member declaration. Documents verifications, interviews with the group manager, and group members during field visits it was known all members have signed and acknowledged membership requirements.	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		All members prior to join with the association need to complete the requirements as a prospective member, among others copy id cards, land ownerships evidence, house registration etc. furthermore the members also need to sign several documents as follows:  - group member signed letter of acknowledged membership requirements to follow the RSPO certification  - Declaration letter of Smallholder for sustainable Palm oil smallholders  - The land ownerships evidence such as a land deed.  - The FFB production data.  The complete document for members has been checked and evaluated before joining and documented of group member data which explains the completeness of member data.  Example of a group member data as follows:  - Mr. Wunphiao Siangchin.; Member no.44 Application on 14/6/2020; signed letter of acknowledged membership requirements on 22/08/2020; signed declaration letter on 24/8/2020; Land deed no.750 covering the production area of 4.48 ha. FFB production record on 6 May 2023 was 7,010 kg. and a copy of the declaration of farmer membership in the The Lumnam Kadae Pattana Oil Palm Community Enterprise Group office, which includes number member ID, date of birth, address, total area and membership number, oil palm number, soil type, planting year, coordinate, FFB production/ha. The sustainable officer (Ms. Nipaporn P.) has recorded and documented the production or acquisition of FFB per month for each Smallholder in an excel file and retained it as a group office. They have recorded both in RSPO and Non-RSPO FFB.	
Milestone A	Basic information, farm information, production data, legal documentation of group members and signed Smallholder Declarations are available to the group manager	The Lumnam Kadae Pattana Oil Palm Community Enterprise Group has kept all plantations information including production data for each group member per month, recorded legality documents (Copy of land title documents), and a copy of the smallholder member declaration.	Complied

#### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Documents verifications, interviews with the group manager, and group members during field visits it was known all members have signed and acknowledged membership requirements.

All members prior to join with the association need to complete the requirements as a prospective member, among others copy id cards, land ownerships evidence, house registration etc. furthermore the members also need to sign several documents as follows:

- group member signed letter of acknowledged membership requirements to follow the RSPO certification
- Declaration letter of Smallholder for sustainable Palm oil smallholders
- The land ownerships evidence such as a land deed.
- The FFB production data.

The complete document for members has been checked and evaluated before joining and documented of group member data which explains the completeness of member data.

Example of a group member data as follows:

- Mr. Wunphiao Siangchin.; Member no.44 Application on 14/6/2020; signed letter of acknowledged membership requirements on 22/08/2020; signed declaration letter on 24/8/2020; Land deed no.750 covering the production area of 4.48 ha. FFB production record on 6 May 2023 was 7,010 kg. and a copy of the declaration of farmer membership in the The Lumnam Kadae Pattana Oil Palm Community Enterprise Group office, which includes no. Farmer ID, date of birth, address, total area and membership number, oil palm number, soil type, planting year, coordinate, FFB production/ha. The sustainable officer (Ms.Nipaporn P.) has recorded and documented the production or acquisition of FFB per month for each Smallholder in an excel file and retained it as a group office. They have recorded both in RSPO and Non-RSPO FFB.

Milestone B	Basic information, farm information, production data, legal documentation of group members and signed Smallholder Declarations are available to the group manager	The Lumnam Kadae Pattana Oil Palm Community Enterprise Group has kept all plantations information including production data for each group member per month, recorded legality documents (Copy of land title documents), and a copy of the smallholder member declaration. Documents verifications, interviews with the group manager, and group members during field visits it was known all members have signed and acknowledged membership requirements.  All members prior to join with the association need to complete the requirements as a prospective member, among others copy id cards, land ownerships evidence, house registration etc. furthermore the members also need to sign several documents as follows:  group member signed letter of acknowledged membership requirements to follow the RSPO certification  Declaration letter of Smallholder for sustainable Palm oil smallholders  The land ownerships evidence such as a land deed.  The FFB production data.  The complete document for members has been checked and evaluated before joining and documented of group member data which explains the completeness of member data.  Example of a group member data as follows:  Mr. Wunphiao Siangchin.; Member no.44 Application on 14/6/2020; signed letter of acknowledged membership requirements on 22/08/2020; signed declaration letter on 24/8/2020; Land deed no.750 covering the production area of 4.48 ha. FFB production record on 6 May 2023 was 7,010 kg. and a copy of the declaration of farmer membership in the The Lumnam Kadae Pattana Oil Palm Community Enterprise Group office, which includes no. Farmer ID. date of birth.	Complied

		and retained it as a group office. They have recorded both in RSPO and Non-RSPO FFB.	
C – ICS: 0	Group Business planning		
C.1 The g	roup has a Business Plan prepared with the participation and co	ntributions 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	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 years (2022 – 2025) and focus 2023 to 2024.  The group business plan is implemented and reviewed at least annually with the last review on 28 Jan 2023 by group ordinary meeting.  The group demonstrates financial stability and growth and it's able to support itself financially referring to the financial plan of year 2022 to 2023 and 2023 to 2024 of their financial efficiency. Among the elements covered in the budget are: FFB forecast, Certification costs, Improvement cost, Production cost, Expansion plan and Goal of the business plan, all element expenses will be absorbed by Mr. Kraiwut Sirianantaphat. CEO of Sangsiri Co Ltd,  Plans to expand 50 members per year according to the capacity of the group. However, the previous two years couldn't expand the new members cause of the Covid situation pandemic.  The group manager has a record of production data from June 2022 to May 2023 totaled 30,782.35 MT. Including production forecasting based on historical records such as the year 2022 forecasting yield FFB amount 25 MT/HA (4.0 MT/Rai) group has an annual group business plan which includes:	Complied

#### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

- Production and income forecasting based on historical records and plans for expansion. Reference to their business plan for 3 years (2022 2025) and focus 2023 to 2024.
- The group business plan is implemented and reviewed at least annually with the last review on 28 Jan 2023 by group ordinary meeting.
- The group demonstrates financial stability and growth and it's able to support itself financially referring to the financial plan of year 2022 to 2023 and 2023 to 2024 of their financial efficiency. Among the elements covered in the budget are:
- FFB forecast
- Certification costs
- Improvement cost
- Production cost
- Expansion plan
- Goal of the business plan

The above expenses will be absorbed by Mr. Kraiwut Sirianantaphat. CEO of Sangsiri Co Ltd,

- A distribution channel for the premium price difference that members can get.
- Plans to expand 50 members per year according to the capacity of the group. However, the previous two years couldn't expand the new members cause of the Covid situation pandemic.
- The group manager has a record of production data from June 2022 to May 2023 totaled 30,782.35 MT. Including production forecasting based on historical records such as the year 2022 forecasting yield FFB amount 25 MT/HA (4.0 MT/Rai)

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

Milestone A	The group business plan is implemented and reviewed at least annually.	The Lumnam Kadae Pattana Oil Palm Community Enterprise Group has establish the annual group business plan year 2022 -2023 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 Sangsiri Co.Ltd.  The latest premium prices have been utilized and reported based on Annual Member Meeting dated 28 Jan 2023. The Annual Member Meeting report was acknowledged by meeting participants (farmers). Based on the Annual Member Meeting Report, the premium utilization among others for audit cost, ICS contribution and capacity building, administrative tools, signboard. Based on interview with sample of farmer, they have known the expenses of premium prices and has been disseminated through Annual Member Meeting.	Complied
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 Lumnam Kadae Pattana Oil Palm Community Enterprise Group has prepared procedures for controlling financial expenses (Document No. Mannual 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 latest financial report on 28 Jan 2023, the financial condition of the The Lumnam Kadae Pattana Oil Palm Community Enterprise Group is presented fairly.	Complied
C.2 The I	CS of the group is integrated with the group's management plan		
C.2.1			
Eligibility	A group management plan is available which includes:  • Training/capacity building plans to improve productivity of	The group management plan is incorporated in the ICS Management Plan [The Lumnam Kadae Pattana Oil Palm Community Enterprise Group] which includes the following:	Complied

	group members.  An approach to strengthen links within the supply chain.  Plan for continuous improvement projects (i.e. on waste, soil, etc.), if any.	1) Management and Organization Structure 2) Membership details and requirements 3) Compliance with the RSPO Independent Smallholder Certification Standard including prepared the relevant training program to improve productivity of group members, as in "prepared the relevant training program to improve productivity of group members, as in "Timeline The Lumnam Kadae Pattana Oil Palm Community Enterprise Group 2022 - 2023" including best management practices, OHS, ERP, Basic Fire, capacity building on record keeping for production, including inputs and yields, transactions, and variety 2022 - 2023" including best management practices, OHS, ERP, Basic Fire, capacity building on record keeping for production, including inputs and yields, transactions, and variety 4) Commitment to transparency 5) Use of appropriate best practices by ISH member 6) Trading of RSPO certified fresh fruit bunches by the group and palm trace management. Based on minutes of Annual Meeting 2023, it was prepared budget for development for Board and Smallholder Member of The Lumnam Kadae Pattana Oil Palm Community Enterprise Group. The group manager will manage the implementation of the plan and ensure the smallholder.	
Milestone A	The group management plan is implemented and reviewed at least annually.	Annual meeting "The Lumnam Kadae Pattana Oil Palm Community Enterprise Group" fiscal year 2023 has been held on 28 Jan 2023 in The Lumnam Kadae Pattana Oil Palm Community Enterprise Group., the meeting attended by ICS board and farmer group leader. The annual meeting presented the report of work program and financial report status, social fund sharing, land dispute settlement and complaint. and management plan 2023.	Complied
Milestone B	The group manager demonstrates the group's compliance with this ISH Standard.	The Group Manager has able to demonstrate compliance with ISH standard by showing compliance to legal requirements, annual	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		business plan, annual work program, annual review, record of smallholder activity covering production, fertilizer input, upkeep, IPM and financial report. Moreover, ICS team has been formed in every sub-group to monitor the implementation of the standard. Internal audit also has been conducted annually covering all farmers, all NCs have been followed up and fulfilled. Finally, to monitor and reviews the effectiveness of their system with the annual meeting.	
D – ICS: 0	Group trading system for certified volumes		
D.1 The g	roup has a procedure and system in place for the tracking of FFI	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.	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, then group manager were verified the data by compare the data from logbook with the weighing bill and Record from purchasing Mill to ensure correct data and traceability of all FFB.  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 an selling products in page no. 13-14 of Group Manual issue 20 Sep 2022	Complied
Milestone A	Group manager maintains annual production records and sales of certified volumes.	The group manager maintains the annual production and sales of certified volumes, covering traceability of all group members in an excel file.  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	Complied

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

		system in place for tracking FFB. Ms.Auraiwan Phonphai (Group Manager) has been appointed and responsible for selling the physical and 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.	
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.	Complied
		Ms.Auraiwan Phonphai (Group Manager) has been appointed and responsible to sell the Physical and credit. 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.	
		From verified the record and traceability from June 2022 to May 2023 found the Lumnam Kadae Pattana Oil Palm Community Enterprise Group was sold as 100 % of Physical ( see the details as section 1)	
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	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.	adequate to maintain yearly production data and sales of certified volumes through Book and Claim. The group members will be issued a copy of the weighing bill after the FFB is weighed at the Seangsiri POM. The issued weighing bill as confirmation of the delivery and the amount to be paid is included. The member card used to deliver the FFB was indicated on the weighing bill.  All of group members are aware of their sold the book and claim method with group manager has informed during meeting every time.  The group has developed an MS Excel spreadsheet to record and maintain annual production data and sales of certified volumes through Book and Claim. The mechanism developed and sighted is adequate to maintain yearly production data and sales of certified volumes through Book and Claim. The group members will be issued a copy of the weighing bill after the FFB is weighed at the Seangsiri POM. The issued weighing bill as confirmation of the delivery and the amount to be paid is included. The member card used to deliver the	Complied
		manager every three months both of sale for certified and none certified RSPO.  All FFB produced by existing smallholder member are 100% certified; For RSPO certified can trace from palm trace system by book & claim IP module.  The group has developed an MS Excel spreadsheet to record and maintain annual production data and sales of certified volumes through Book and Claim. The mechanism developed and sighted is	

### RSPO P&C Public Summary Report Revision 14 (Aug 2022)

D 2 Tho a	roup has a procedure and system for premium distribution.	Additionally, the group is registered on the RSPO PalmTrace platform with ID RSPO_PO1000005339 under the membership name Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Group had scope of Certificate as Production of FFB from Independent Smallholders under RSPO Independent Smallholder's Standard (RISS); Certification Phase of the Group Members: Milestone B Phase, 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.  From verified the record and traceability from June 2022 to May 2023 found the Lumnam Kadae Pattana Oil Palm Community Enterprise Group was sold as 100 % of Physical ( see the details as section 1).	
D.3.1	roup has a procedure and system for premium distribution.		
Eligibility	The group and group manager have agreed on how the premiums should be used and the agreement is recorded and communicated to 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.	The group manager informed during the group meeting on 28 Jan 2023 that all certified members and certified oil palm plots, thus certified product sales as premium prices were received. Decision-making and governance were made fair and transparent via Lumnam Kadae Pattana Oil Palm Community Enterprise Group sustainability manual issued 20 Sep 2022 manual, indicated on page 28/55, and the group reference the latest agreement on 22 Jan 2022, with the factory (Saengsiri Agro Industry Co., Ltd./Mr. Sonthaya S.) to purchase certified products from members of the group in premium price, that payment is made by the factory and is paid directly to the member who brings the FFB to the factor by time to time 200 baht/ MT.	Complied
Milestone A	The disbursement of premiums, including price and timing of the disbursement to group members is clearly recorded.	Group manager and members have agreed on how the premiums should be used and the agreement is recorded Lumnam Kadae Pattana	Complied

Milestone B	The disbursement of premiums, including price and timing of the disbursement to group members is clearly recorded.	Oil Palm Community Enterprise Group sustainability manual issued 20 Sep 2022 manual, indicated on page 28/55, and the latest agreement on 22 Jan 2022, with the factory (Saengsiri Agro Industry Co., Ltd./Mr. Sonthaya S.) to purchase certified products from members of the group in premium price, that payment is made by the factory and is paid directly to the member who brings the FFB to the factor by time to time 200 baht/ MT. The premium sharing term and mechanism also has been communicated on 28 Jan 2023 during annual meeting that attended by 238 members.  During field observation, it was confirmed and verified to 27 smallholder that become samples in this audit, that they know, understand and has received what they called "Palm RSPO". Realization of payment has been reviewed for Credit transaction in May to Jun 2023 and its disbursement to all members	Complied
----------------	--	--	----------



#### Appendix B: GHG Reporting Executive Summary - Not applicable for independent smallholder.

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	tCO <sub>2</sub> e/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 <sup>rd</sup> Party		Total	
	tCO <sub>2</sub> e	tCO₂e / FFB	tCO <sub>2</sub> e	tCO₂e / FFB	tCO₂e	tCO <sub>2</sub> e / FFB	tCO <sub>2</sub> e	tCO₂e / FFB
Emission								
Land Conversion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CO <sub>2</sub> Emission from fertilizer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NO <sub>2</sub> 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								
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



	tCO₂e	tCO₂e/tFFB		
Emission				
POME	N/A	N/A		
Fuel Consumption	N/A	N/A		
Grid Electricity Utilization	N/A	N/A		
Credit				
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

<sup>\*</sup>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			

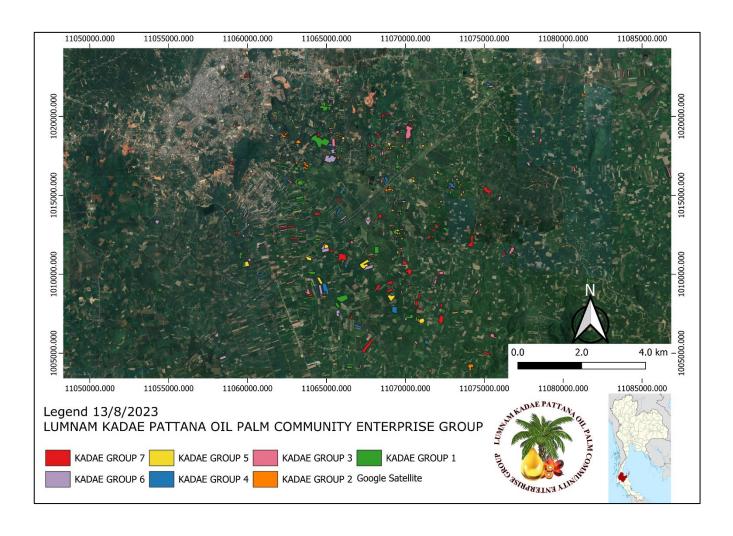


**Appendix C: Location Map of Certification Unit and Supply bases** 

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

	Name of farmer		GPS Re	eference		ımmary la)	Forecaste d annual	Date of	Smallholde
No		Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	joinin g	r ID
	Mr.Sombun Dumluan 1	Lamphun, Ban Na San, Suratthani	8°52'9.54"	99°24'39.7 7"	2.14	2.14	53.47	29- Oct- 13	
	Mr.Sombun Dumluan 2	Lamphun, Ban Na San, Suratthani	8°52'28.1 9"	99°25'28.7 2"	0.44	0.44	11.12	29- Oct- 13	
1	Mr.Sombun Dumluan 3	Krut, Kanchanadit, Suratthani	9° 3'37.87"	99°31'30.2 2"	0.71	0.71	17.85	29- Oct- 13	1
	Mr.Sombun Dumluan 4	Plaiwas, Kanchanadit, Suratthani	9° 8'23.72"	99°33'47.7 5"	1.96	1.96	49.03	29- Oct- 13	
	Mr.Sombun Dumluan 5	Plaiwas, Kanchanadit, Suratthani	9°11'31.0 6"	99°29'12.2 5"	1.10	1.10	27.41	29- Oct- 13	
2	Mr.Amnual Saengwijitkul 1	Makham Tia, Mueang, Suratthani	9° 5'42.39"	99°22'29.9 5"	0.35	0.35	8.87	29- Oct- 13	2
	Mr.Amnual Saengwijitkul 2	Makham Tia, Mueang, Suratthani	9° 5'43.05"	99°22'26.6 2"	0.35	0.35	8.87	29- Oct- 13	2
3	Miss.Suntree Kerdwongbundit 1	Khun Thale, Mueang, Suratthani	9° 2'27.24"	99°21'5.88"	4.09	3.93	98.32	29- Oct- 13	3
	Miss.Suntree Kerdwongbundit 2	Wat Pradu, Mueang, Suratthani	9° 1'33.95"	99°18'11.3 4"	3.66	3.66	91.55	29- Oct- 13	3
4	Mrs.Chulee Maneechot	Khun Thale, Mueang, Suratthani	9° 3'28.11"	99°21'53.0 5"	3.52	3.04	76.00	29- Oct- 13	4
	Mrs.Marasri Khunthongchan 1	Thung Tao Mai, Ban Na San, Suratthani	8°58'59.4 2"	99°24'41.7 2"	4.81	4.73	118.30	29- Oct- 13	
5	Mrs.Marasri Khunthongchan 2	Thung Tao Mai, Ban Na San, Suratthani	8°58'59.1 5"	99°24'13.5 4"	2.62	2.62	65.42	29- Oct- 13	5
	Mrs.Marasri Khunthongchan 3	Khun Thale, Mueang, Suratthani	9° 2'22.65"	99°20'51.0 7"	3.06	3.06	76.45	29- Oct- 13	
6	Mrs.Sribut Kerdwongbundit 1	Khun Thale, Mueang, Suratthani	9° 2'46.81"	99°20'59.0 2"	5.52	5.36	133.97	29- Oct- 13	6
6	Mrs.Sribut Kerdwongbundit 2	Khun Thale, Mueang, Suratthani	9° 2'50.95"	99°21'7.41"	2.05	2.05	51.21	29- Oct- 13	0
7	Mrs.Chalida Sawetsakularnont	Khun Thale, Mueang, Suratthani	9° 4'15.94"	99°22'37.2 4"	3.90	3.50	87.58	29- Oct- 13	7



	Name of farmer	Location	GPS Reference		Area Summary (Ha)		Forecaste d annual	Date	Smallholde
No			Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
8	Mr.Kamol Sawetsakularnont	Khun Thale, Mueang, Suratthani	9° 4'18.34"	99°22'52.0 6"	4.19	4.03	100.65	29- Oct- 13	11
9	Mr.Visud Deejarernkuen	Thung Kong, Kanchanadit, Suratthani	9° 6'16.66"	99°24'25.8 0"	2.42	2.38	59.43	29- Oct- 13	12
10	Mr.Supachai Supasiripenpong 1*	Thung Rang , Kanchanadit, Suratthani	9° 1'10.78"	99°23'0.63"	1.96	1.96	48.91	29- Oct- 13	13
10	Mr.Supachai Supasiripenpong 2	Thung Rang , Kanchanadit, Suratthani	9° 1'10.71"	99°23'10.5 5"	2.56	2.56	64.10	29- Oct- 13	
11	Mr.Manoon Vattana	Makham Tia, Mueang, Suratthani	9° 4'33.03"	99°23'3.29"	3.59	2.79	69.81	29- Oct- 13	17
12	Mr.Tamrong Jaigam	Makham Tia, Mueang, Suratthani	9° 5'47.57"	99°22'2.23"	1.28	1.28	32.04	29- Oct- 13	18
	Mrs.Chayaporn Phetrod 1	Makham Tia, Mueang, Suratthani	9° 6'51.58"	99°22'29.2 7"	0.34	0.34	8.44	29- Oct- 13	20
13	Mrs.Chayaporn Phetrod 2	Makham Tia, Mueang, Suratthani	9° 6'56.43"	99°22'31.8 7"	0.72	0.72	18.11	29- Oct- 13	
	Mrs.Chayaporn Phetrod 3	Makham Tia, Mueang, Suratthani	9° 6'59.82"	99°22'28.9 2"	0.80	0.80	20.00	29- Oct- 13	
1.4	Mr.Chaiyut Wisitwuthipong 1	Chang Khwa, Kanchanadit, Suratthani	9° 4'35.61"	99°26'18.2 4"	2.31	2.31	57.80	29- Oct- 13	22
14	Mr.Chaiyut Wisitwuthipong 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'20.44"	99°26'36.7 4"	1.93	1.93	48.34	29- Oct- 13	
15	Mr.Prasit Ketkaew	Thung Rang , Kanchanadit, Suratthani	9° 1'18.30"	99°23'11.5 6"	5.48	5.48	136.97	29- Oct- 13	23
16	Mr.Jamras Wongpan	Chang Khwa, Kanchanadit, Suratthani	9° 3'10.48"	99°26'7.27"	1.79	1.75	43.70	29- Oct- 13	24
17	Mr.Samonthat Rungrueang	Makham Tia, Mueang, Suratthani	9° 6'2.82"	99°22'19.6 2"	1.35	1.23	30.69	29- Oct- 13	25
18	Mr.Narong Phetchu 1	Chang Khwa, Kanchanadit, Suratthani	9° 1'58.83"	99°26'31.7 6"	1.85	1.85	46.35	29- Oct- 13	27



No	Name of farmer	Location	GPS Reference		Area Summary (Ha)		Forecaste d annual	Date	Smallholde
			Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	CCD	of joinin g	r ID
	Mr.Narong Phetchu 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'47.12"	99°26'26.8 0"	2.28	1.80	44.95	29- Oct- 13	
19	Mr.Wanchai Klangnarong 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'43.93"	99°27'9.28"	0.95	0.95	23.67	29- Oct- 13	28
	Mr.Wanchai Klangnarong 2	Pa Ron, Kanchanadit, Suratthani	9° 2'46.69"	99°35'24.4 8"	1.97	1.97	49.18	29- Oct- 13	
	Mr.Wanchai Klangnarong 3	Pa Ron, Kanchanadit, Suratthani	9° 3'44.96"	99°35'31.7 2"	1.56	1.56	39.12	29- Oct- 13	
20	Mr.Manoch Kerdtong 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'4.41"	99°26'20.8 4"	1.32	1.32	32.91	29- Oct- 13	- 29
20	Mr.Manoch Kerdtong 2	Chang Khwa, Kanchanadit, Suratthani	9° 6'4.82"	99°26'28.5 2"	3.66	3.66	91.59	29- Oct- 13	
21	Mr.Thamonchai Kanhakaew	Chang Khwa, Kanchanadit, Suratthani	9° 6'54.50"	99°26'28.1 7"	1.61	1.61	40.18	29- Oct- 13	30
	Mr. Wisut Buakaew 1	Chang Khwa, Kanchanadit, Suratthani	9° 7'12.23"	99°26'42.6 2"	1.07	1.07	26.76	29- Oct- 13	31
22	Mr.Wisut Buakaew 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'54.94"	99°26'18.0 7"	1.00	1.00	24.96	29- Oct- 13	
	Mr.Wisut Buakaew 3*	Chang Khwa, Kanchanadit, Suratthani	9° 7'14.12"	99°26'47.0 5"	0.55	0.55	13.65	29- Oct- 13	
23	Mr.Watana Nuanwat	Chang Khwa, Kanchanadit, Suratthani	9° 7'0.16"	99°26'21.0 6"	0.89	0.89	22.30	29- Oct- 13	32
24	Mr.Sangaporn Promthongnun 1	Thung Rang , Kanchanadit, Suratthani	9° 4'12.73"	99°25'19.8 8"	0.87	0.87	21.85	29- Oct- 13	33
24	Mr.Sangaporn Promthongnun 2*	Chang Khwa, Kanchanadit, Suratthani	9° 4'17.87"	99°27'14.5 7"	0.80	0.80	0.00	29- Oct- 13	
25	Mrs.Sunisa Singso 1	Chang Khwa,	9° 3'5.40"	99°26'24.8 3"	0.63	0.39	9.69	29- Oct- 13	34



No	Name of farmer	Location	GPS Reference		Area Summary (Ha)		Forecaste d annual	Date	Smallholde
			Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	EEB OT	of joinin g	-
		Kanchanadit, Suratthani							
	Mrs.Sunisa Singso 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'5.69"	99°26'22.5 5"	1.49	1.49	37.35	29- Oct- 13	
26	Mrs.Manmas Tipsuwon	Thung Rang , Kanchanadit, Suratthani	9° 1'17.89"	99°24'26.5 7"	21.30	19.54	488.51	29- Oct- 13	35
	Mr.Panyawut Kolaka 1	Thung Kong, Kanchanadit, Suratthani	9° 6'21.78"	99°24'26.0 9"	1.99	1.99	49.80	29- Oct- 13	
27	Mr.Panyawut Kolaka 2	Thung Kong, Kanchanadit, Suratthani	9° 7'53.39"	99°23'50.3 1"	5.14	5.14	128.50	29- Oct- 13	36
	Mr.Panyawut Kolaka 3	Chang Khwa, Kanchanadit, Suratthani	9° 5'40.48"	99°26'27.3 2"	1.54	1.54	38.58	29- Oct- 13	
28	Mrs.Pilaipun Srirattanakul 1	Thung Kong, Kanchanadit, Suratthani	9° 7'33.79"	99°22'10.0 3"	4.04	4.04	101.00	29- Oct- 13	37
20	Mrs.Pilaipun Srirattanakul 2	Makham Tia, Mueang, Suratthani	9° 7'26.75"	99°21'45.5 4"	2.78	2.78	69.49	29- Oct- 13	
29	Mr.Amnualchok Krodsen	Chang Sai, Kanchanadit, Suratthani	9° 0'51.47"	99°28'33.6 1"	3.27	3.19	79.76	29- Oct- 13	38
30	Mr.Pornsin Jaingam 1	Thung Kong, Kanchanadit, Suratthani	9° 7'32.23"	99°22'31.8 6"	0.88	0.72	17.98	29- Oct- 13	39
30	Mr.Pornsin Jaingam 2	Thung Kong, Kanchanadit, Suratthani	9° 7'24.08"	99°22'38.6 2"	1.90	1.90	47.38	29- Oct- 13	29
31	Mr.Prasit Lomlim	Thung Rang , Kanchanadit, Suratthani	9° 1'6.44"	99°24'16.2 3"	5.46	4.64	116.00	29- Oct- 13	40
32	Mr.Pattinya Wongwichien	Thung Rang , Kanchanadit, Suratthani	9° 2'19.98"	99°24'2.25"	3.28	3.28	81.91	29- Oct- 13	41
22	Mr.Arree Toonchalat 1*	Thung Rang , Kanchanadit, Suratthani	9° 3'18.12"	99°23'36.2 7"	4.31	4.31	107.68	29- Oct- 13	40.4
33	Mr.Arree Toonchalat 2	Thung Rang , Kanchanadit, Suratthani	9° 3'12.64"	99°23'28.8 8"	3.76	3.44	85.96	29- Oct- 13	42*



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
34	Mr.Virot Suwannajan	Chang Khwa, Kanchanadit, Suratthani	9° 3'33.02"	99°26'15.3 6"	6.25	6.25	156.32	29- Oct- 13	43
	Mr.Wunphiao Siangchin 1	Makham Tia, Mueang, Suratthani	9° 5'40.56"	99°22'52.7 7"	4.68	4.60	115.03	29- Oct- 13	
35	Mr.Wunphiao Siangchin 2	Plaiwas, Kanchanadit, Suratthani	9° 8'6.78"	99°32'37.5 6"	1.97	1.95	48.87	29- Oct- 13	44
	Mr.Wunphiao Siangchin 3*	Krut, Kanchanadit, Suratthani	9° 6'42.18"	99°30'8.46"	4.59	4.49	112.30	29- Oct- 13	
36	Mr.Ruangdech Chookorn 1	Chang Khwa, Kanchanadit, Suratthani	9° 0'36.07"	99°27'1.02"	3.10	3.10	77.55	29- Oct- 13	45
30	Mr.Ruangdech Chookorn 2	Chang Khwa, Kanchanadit, Suratthani	9° 0'39.84"	99°26'46.9 2"	7.48	7.48	187.04	29- Oct- 13	75
37	Mrs.Pongsri Chaitha	Thung Kong, Kanchanadit, Suratthani	9° 6'34.09"	99°23'36.6 0"	45.09	44.53	1113.31	29- Oct- 13	46
	Mr.Suchat Phutthasri 1	Chang Khwa, Kanchanadit, Suratthani	9° 4'9.16"	99°26'27.1 6"	1.73	1.25	31.18	29- Oct- 13	
38	Mr.Suchat Phutthasri 2*	Chang Khwa, Kanchanadit, Suratthani	9° 4'13.91"	99°26'26.4 3"	1.43	1.27	31.82	29- Oct- 13	47
	Mr.Suchat Phutthasri 3	Thung Rang , Kanchanadit, Suratthani	9° 5'4.91"	99°25'51.0 3"	0.44	0.44	11.10	29- Oct- 13	
39	Mr.Bamrung Hirunruang 1	Chang Khwa, Kanchanadit, Suratthani	9° 5'44.94"	99°26'20.7 0"	4.60	4.44	111.08	29- Oct- 13	48
	Mr.Bamrung Hirunruang 2	Pa Ron, Kanchanadit, Suratthani	9° 2'26.80"	99°32'43.7 5"	1.97	1.50	37.51	29- Oct- 13	
40	Mr.Jaras Intarasangkanavin 1*	Thung Rang , Kanchanadit, Suratthani	9° 2'58.26"	99°25'35.9 2"	8.23	7.43	185.70	29- Oct- 13	49
40	Mr.Jaras Intarasangkanavin 2	Thung Rang , Kanchanadit, Suratthani	9° 4'15.13"	99°24'4.35"	3.89	3.81	95.17	29- Oct- 13	<del>1</del> 9



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Jaras Intarasangkanavin 3	Thung Rang , Kanchanadit, Suratthani	9° 2'9.15"	99°23'24.2 4"	6.93	6.81	170.18	29- Oct- 13	
	Mr.Narin Khanawitthaya 1	Makham Tia, Mueang, Suratthani	9° 5'15.98"	99°22'52.7 8"	3.35	3.19	79.76	29- Oct- 13	
41	Mr.Narin Khanawitthaya 2	Makham Tia, Mueang, Suratthani	9° 6'2.99"	99°21'51.2 3"	2.08	1.92	47.93	29- Oct- 13	50
	Mr.Narin Khanawitthaya 3	Chang Sai, Kanchanadit, Suratthani	9° 5'11.36"	99°28'25.2 0"	3.23	3.23	80.77	29- Oct- 13	
42	Mr.Prasit Jiumwuttisak	Thung Kong, Kanchanadit, Suratthani	9° 7'43.02"	99°23'52.2 6"	14.78	14.78	369.55	29- Oct- 13	51
43	Mrs.Ubol Noochouy 1	Thung Rang , Kanchanadit, Suratthani	9° 1'48.57"	99°23'23.9 6"	4.48	4.48	112.03	29- Oct- 13	52
	Mrs.Ubol Noochouy 2	Khun Thale, Kanchanadit, Suratthani	9° 3'24.35"	99°23'3.18"	3.98	3.98	99.57	29- Oct- 13	
44	Mr.Vichai Khachanurak	Thung Rang , Kanchanadit, Suratthani	9° 3'8.72"	99°24'45.0 9"	1.31	1.31	32.80	29- Oct- 13	53
	Mr.Saman Thiangpracha 1	Khun Thale, Mueang, Suratthani	9° 4'0.56"	99°20'45.0 7"	2.79	2.47	61.70	29- Oct- 13	
45	Mr.Saman Thiangpracha 2	Khun Thale, Mueang, Suratthani	9° 4'7.92"	99°20'35.7 6"	1.65	1.33	33.32	29- Oct- 13	54
	Mr.Saman Thiangpracha 3	Khun Thale, Mueang, Suratthani	9° 4'28.08"	99°20'31.5 0"	2.06	1.58	39.55	29- Oct- 13	
46	Mr.Arun Chongsri	Thung Rang , Kanchanadit, Suratthani	9° 3'19.83"	99°24'47.7 9"	1.54	1.30	32.49	29- Oct- 13	55
47	Mr.Santi Watthananill 1	Makham Tia, Mueang, Suratthani	9° 5'11.95"	99°23'0.38"	9.04	8.56	213.96	29- Oct- 13	F.C.
47	Mr.Santi Watthananill 2	Makham Tia, Mueang, Suratthani	9° 4'40.56"	99°23'2.34"	7.03	6.87	171.80	29- Oct- 13	56
48	Mr.Nipol Totong 1	Pa Ron, Kanchanadit, Suratthani	9° 3'31.33"	99°33'20.7 9"	3.25	3.25	81.25	29- Oct- 13	57
UTO	Mr.Nipol Totong 2	Pa Ron, Kanchanadit, Suratthani	9° 1'57.93"	99°32'49.7 9"	4.34	4.34	54.59	29- Oct- 13	3/



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
49	Mr.Prasit Romphothong	Makham Tia, Mueang, Suratthani	9° 5'44.18"	99°22'31.1 7"	6.58	4.02	100.54	29- Oct- 13	59
50	Mrs.Manee Panpaen 1	Chang Khwa, Kanchanadit, Suratthani	9° 4'17.45"	99°26'23.7 5"	2.40	2.40	59.88	29- Oct- 13	61
	Mrs.Manee Panpaen 2	Chang Sai, Kanchanadit, Suratthani	9° 3'37.17"	99°28'0.29"	4.79	4.15	16.00	29- Oct- 13	
	Miss.Naruemol Saelee 1	Makham Tia, Mueang, Suratthani	9° 5'53.58"	99°22'52.9 2"	1.85	1.81	45.22	26- Aug- 15	
	Miss.Naruemol Saelee 2	Makham Tia, Mueang, Suratthani	9° 6'51.12"	99°22'31.0 8"	1.66	1.50	37.61	26- Aug- 15	
	Miss.Naruemol Saelee 3	Makham Tia, Mueang, Suratthani	9° 6'48.84"	99°22'28.6 8"	0.80	0.40	10.03	26- Aug- 15	
F1	Miss.Naruemol Saelee 4	Makham Tia, Mueang, Suratthani	9° 6'35.28"	99°22'55.2 0"	6.08	4.80	119.98	26- Aug- 15	62
51	Miss.Naruemol Saelee 5*	Thung Rang , Kanchanadit, Suratthani	9° 4'58.56"	99°26'4.56"	2.84	2.84	70.93	26- Aug- 15	62
	Miss.Naruemol Saelee 6	Thung Rang , Kanchanadit, Suratthani	9° 5'2.16"	99°26'0.18"	0.52	0.50	12.40	26- Aug- 15	
	Miss.Naruemol Saelee 7	Thung Rang , Kanchanadit, Suratthani	9° 4'58.74"	99°25'58.0 2"	3.36	3.28	81.88	26- Aug- 15	
F2	Mr.Chanchai Puttasri 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'3.12"	99°26'26.1 0"	0.85	0.85	21.13	26- Aug- 15	63
52	Mr.Chanchai Puttasri 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'12.12"	99°26'23.2 2"	0.46	0.40	10.08	26- Aug- 15	63
53	Mrs.Kanya Baoyam 1	Thung Kong, Kanchanadit, Suratthani	9° 7'57.36"	99°24'33.0 0"	2.33	1.89	47.14	26- Aug- 15	64
JJ	Mrs.Kanya Baoyam 2	Thung Kong, Kanchanadit, Suratthani	9° 8'14.55"	99°24'27.3 6"	0.26	0.26	6.45	26- Aug- 15	04
54	Mr.Thanachit Komsattaya	Chang Sai, Kanchanadit, Suratthani	8°58'51.8 4"	99°27'26.9 4"	1.69	1.65	41.17	26- Aug- 15	66



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
55	Mr.Somyod Krodsen 1	Chang Sai, Kanchanadit, Suratthani	9° 4'57.66"	99°28'35.7 0"	1.87	1.87	46.82	26- Aug- 15	67
33	Mr.Somyod Krodsen 2	Chang Sai, Kanchanadit, Suratthani	9° 5'1.92"	99°28'31.8 0"	1.82	1.50	37.53	26- Aug- 15	07
56	Mr.Prawit Pattanajohn	Thung Tao Mai, Ban Na San, Suratthani	8°55'58.2 6"	99°26'41.6 4"	7.92	5.76	144.12	26- Aug- 15	69
57	Mr.Wira Nuinoi	Chang Sai, Kanchanadit, Suratthani	9° 5'7.92"	99°28'31.6 2"	1.45	1.21	30.16	26- Aug- 15	70
58	Mr.Chayan Chaisuwan	Chang Sai, Kanchanadit, Suratthani	8°58'58.6 2"	99°28'50.6 4"	8.69	8.67	185.24	26- Aug- 15	71
59	Mr.Samroeng Phayakkharak*	Thung Rang , Kanchanadit, Suratthani	9° 1'21.58"	99°23'47.3 3"	4.78	3.04	76.00	26- Aug- 15	72*
	Mr.Suriya Phetklep 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'46.67"	99°26'17.5 8"	1.25	1.25	31.28	26- Aug- 15	
60	Mr.Suriya Phetklep 2	Chang Khwa, Kanchanadit, Suratthani	9° 6'22.62"	99°26'0.18"	1.38	1.30	32.55	26- Aug- 15	72
60	Mr.Suriya Phetklep 3	Chang Khwa, Kanchanadit, Suratthani	9° 6'28.70"	99°25'39.1 0"	0.95	0.59	14.73	26- Aug- 15	73
	Mr.Suriya Phetklep 4*	Chang Khwa, Kanchanadit, Suratthani	9° 6'19.21"	99°26'0.34"	1.45	1.45	0.00	26- Aug- 15	
61	Mr.Prasoet Khrongtaiwet	Kadae, Kanchanadit, Suratthani	9° 9'51.59"	99°26'55.6 7"	1.97	1.73	43.31	26- Aug- 15	74
	Mr.Authai Sribunrueang 1	Wat Pradu, Mueang, Suratthani	9° 3'5.58"	99°19'1.26"	1.12	0.96	24.00	26- Aug- 15	
62	Mr.Authai Sribunrueang 2	Wat Pradu, Mueang, Suratthani	9° 3'21.48"	99°18'47.3 4"	0.45	0.45	11.13	26- Aug- 15	75
	Mr.Authai Sribunrueang 3	Tapan, Phun Phin, Suratthani	8°54'3.60"	99°10'12.5 4"	4.80	4.80	120.00	26- Aug- 15	
63	Mr.Phaibun Phaojinda 1	Tham Sing Khon, Khiri Rat Nikhom , Suratthani	9° 0'25.08"	99° 1'36.66"	1.94	1.90	47.50	26- Aug- 15	76



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Phaibun Phaojinda 2	Makham Tia, Mueang, Suratthani	9° 5'44.94"	99°22'52.9 2"	0.67	0.53	13.13	26- Aug- 15	
64	Mr.Chana Phathanakul 1	Wat Pradu, Mueang, Suratthani	8°58'35.7 6"	99°20'7.50"	1.56	1.52	38.09	26- Aug- 15	77
	Mr.Chana Phathanakul 2	Wat Pradu, Mueang, Suratthani	8°58'16.5 6"	99°20'8.70"	1.44	1.44	35.93	26- Aug- 15	,,
65	Mr.Atitthan Kongsarp	Chang Khwa, Kanchanadit, Suratthani	9° 0'34.56"	99°27'3.42"	2.12	2.04	50.98	26- Aug- 15	78
66	Mrs.Suwatchana Kamchan	Chang Khwa, Kanchanadit, Suratthani	9° 3'18.12"	99°26'16.6 8"	0.77	0.77	19.25	26- Aug- 15	79
	Mr.Anan Phetrot 1	Makham Tia, Mueang, Suratthani	9° 5'11.46"	99°22'54.0 6"	1.41	1.37	34.13	26- Aug- 15	
67	Mr.Anan Phetrot 2	Makham Tia, Mueang, Suratthani	9° 5'19.02"	99°22'40.8 0"	1.13	1.13	28.13	26- Aug- 15	81
	Mr.Anan Phetrot 3	Makham Tia, Mueang, Suratthani	9° 6'58.08"	99°22'29.4 0"	0.47	0.47	11.84	26- Aug- 15	
68	Mr.Supharat Siangchin	Krut, Kanchanadit, Suratthani	9° 7'44.64"	99°31'42.0 6"	6.26	5.30	132.45	26- Aug- 15	82
	Mr.Weerawat Deecharoenkul 1	Makham Tia, Mueang, Suratthani	9° 6'48.86"	99°22'24.1 9"	3.90	2.28	57.09	26- Aug- 15	
69	Mr.Weerawat Deecharoenkul 2	Makham Tia, Mueang, Suratthani	9° 7'8.04"	99°20'46.3 2"	1.84	1.84	46.12	26- Aug- 15	83
	Mr.Weerawat Deecharoenkul 3	Plaiwas, Kanchanadit, Suratthani	9° 8'7.38"	99°32'42.7 8"	2.00	1.98	49.58	26- Aug- 15	
70	Mr.Prasit Raknobpharat 1	Chang Khwa, Kanchanadit, Suratthani	9° 5'44.10"	99°25'52.3 8"	0.95	0.87	21.77	26- Aug- 15	84
70	Mr.Prasit Raknobpharat 2	Chang Khwa, Kanchanadit, Suratthani	9° 5'54.00"	99°25'50.1 3"	0.76	0.76	19.09	26- Aug- 15	01
71	Mr.Prakit Rattanathongain 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'2.16"	99°25'31.0 2"	1.77	1.45	36.18	26- Aug- 15	85
	Mr.Prakit Rattanathongain 2	Pa Ron, Kanchanadit, Suratthani	9° 3'6.72"	99°32'7.44"	1.65	1.61	40.20	26- Aug- 15	



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Thongbai Phetket 1	Thung Kong, Kanchanadit, Suratthani	9° 6'5.34"	99°24'18.9 0"	1.69	1.69	42.16	26- Aug- 15	
72	Mr.Thongbai Phetket 2	Thung Kong, Kanchanadit, Suratthani	9° 6'38.97"	99°24'25.0 2"	0.34	0.34	8.61	26- Aug- 15	87
72	Mr.Thongbai Phetket 3	Thung Kong, Kanchanadit, Suratthani	9° 6'46.02"	99°24'25.8 6"	2.85	2.53	63.37	26- Aug- 15	0,
	Mr.Thongbai Phetket 4	Thung Kong, Kanchanadit, Suratthani	9° 6'50.76"	99°24'24.9 6"	0.97	0.97	24.27	26- Aug- 15	
73	Mr.Thantiwat Thanananolan	Makham Tia, Mueang, Suratthani	9° 5'44.76"	99°23'9.66"	2.58	2.58	64.49	26- Aug- 15	88
74	Mr.Kitti Siangchin	Makham Tia, Mueang, Suratthani	9° 5'53.04"	99°23'9.60"	2.71	2.71	67.63	26- Aug- 15	89
75	Mr.Somkiat Siangchin 1	Plaiwas, Kanchanadit, Suratthani	9° 8'7.74"	99°32'39.7 2"	1.95	1.89	47.22	26- Aug- 15	90
75	Mr.Somkiat Siangchin 2	Makham Tia, Mueang, Suratthani	9° 5'48.78"	99°23'11.4 0"	3.61	3.61	90.15	26- Aug- 15	90
76	Mr.Somnuek Phromsawat	Chang Khwa, Kanchanadit, Suratthani	9° 3'38.07"	99°26'28.1 8"	1.24	1.12	28.06	26- Aug- 15	92
77	Mr.Sitthichai Chuaimi	Chang Khwa, Kanchanadit, Suratthani	9° 8'2.67"	99°27'7.43"	1.61	1.45	36.27	20- Nov- 16	93
	Mr.Wisit Mekanan	Chang Khwa, Kanchanadit, Suratthani	9° 3'2.39"	99°26'24.3 3"	0.86	0.78	19.41	20- Nov- 16	
78	Mr.Wisit Mekanan 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'47.28"	99°26'44.2 0"	1.33	1.33	33.37	20- Nov- 16	94
	Mr.Wisit Mekanan 3	Chang Khwa, Kanchanadit, Suratthani	9° 4'21.23"	99°26'30.9 1"	1.19	1.19	29.74	20- Nov- 16	
79	Mr.Sukhum Kanhakaew	Chang Khwa, Kanchanadit, Suratthani	9° 6'28.02"	99°25'29.7 6"	1.54	1.50	37.45	20- Nov- 16	95
80	Mr.Methawee Nuanla-ong 1	Thung Rang , Kanchanadit, Suratthani	9° 1'31.11"	99°23'17.1 8"	6.78	4.54	56.00	20- Nov- 16	96



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Methawee Nuanla-ong 2	Khun Thale, Mueang, Suratthani	9° 3'42.68"	99°22'20.8 6"	4.09	3.77	94.34	20- Nov- 16	
	Mr.Methawee Nuanla-ong 3	Khun Thale, Mueang, Suratthani	9° 3'35.58"	99°23'9.81"	3.70	3.66	91.55	20- Nov- 16	
	Mr.Methawee Nuanla-ong 4*	Thung Rang , Kanchanadit, Suratthani	9° 1'24.92"	99°23'22.7 8"	2.97	2.97	0.00	20- Nov- 16	
81	Mrs.Prakham Thimthong*	Chang Khwa, Kanchanadit, Suratthani	9° 6'14.71"	99°25'50.1 7"	3.30	3.30	82.43	20- Nov- 16	97*
82	Mr.Jeerasak Rattanawanit 1	Khun Thale, Mueang, Suratthani	9° 4'2.48"	99°22'41.3 9"	3.79	3.47	86.73	20- Nov- 16	98
02	Mr.Jeerasak Rattanawanit 2	Khun Thale, Mueang, Suratthani	9° 3'9.71"	99°22'54.5 1"	3.38	3.30	82.57	20- Nov- 16	96
83	Mrs.Bunrueang Sangsanthai	Chang Khwa, Kanchanadit, Suratthani	9° 4'13.83"	99°26'21.2 4"	1.16	1.16	28.99	20- Nov- 16	99
84	Mr.Manot Chanyai	Thung Rang , Kanchanadit, Suratthani	9° 5'18.39"	99°25'45.8 5"	1.19	1.19	29.76	20- Nov- 16	100
85	Mrs.Jittra Kachanurak	Thung Rang , Kanchanadit, Suratthani	9° 3'4.60"	99°24'43.2 8"	0.80	0.80	20.09	20- Nov- 16	101
	Mr.Phanuphong Phutthasi 1	Chang Khwa, Kanchanadit, Suratthani	9° 4'8.07"	9°26'23.60"	0.86	0.86	21.52	20- Nov- 16	
	Mr.Phanuphong Phutthasi 2	Thung Kong, Kanchanadit, Suratthani	9° 8'40.65"	99°24'18.5 4"	2.51	2.43	60.81	20- Nov- 16	
86	Mr.Phanuphong Phutthasi 3	Krut, Kanchanadit, Suratthani	9° 5'43.56"	99°32'22.4 1"	3.86	3.86	96.45	20- Nov- 16	102
	Mr.Phanuphong Phutthasi 4	Tha Uthae, Kanchanadit, Suratthani	9° 8'57.38"	99°34'13.5 6"	3.83	3.67	91.75	20- Nov- 16	
	Mr.Phanuphong Phutthasi 5	Tha Uthae, Kanchanadit, Suratthani	9° 8'54.93"	99°34'2.99"	3.21	3.21	80.35	20- Nov- 16	
	Mr.Phanuphong Phutthasi 6	Plaiwas, Kanchanadit, Suratthani	9° 9'57.47"	99°30'38.3 7"	4.18	4.18	104.54	20- Nov- 16	



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Phanuphong Phutthasi 7	Plaiwas, Kanchanadit, Suratthani	9° 9'11.66"	99°32'31.3 8"	1.18	1.18	29.51	20- Nov- 16	
87	Mr.Anan Kanhakaew	Chang Khwa, Kanchanadit, Suratthani	9° 6'53.41"	99°26'20.9 0"	3.04	3.04	75.88	21- Nov- 16	103
88	Miss.Sarapee Hitnu 1	Chang Khwa, Kanchanadit, Suratthani	9° 7'9.32"	99°26'31.9 5"	0.86	0.70	17.57	21- Nov- 16	104
	Miss.Sarapee Hitnu 2	Chang Sai, Kanchanadit, Suratthani	9° 1'30.09"	99°29'2.64"	3.41	3.41	85.32	21- Nov- 16	
	Mr.Phitthaya Somkaew 1	Krut, Kanchanadit, Suratthani	9° 5'14.36"	99°30'57.3 2"	1.20	1.20	30.00	21- Nov- 16	
89	Mr.Phitthaya Somkaew 2	Krut, Kanchanadit, Suratthani	9° 5'7.16"	99°31'16.9 8"	0.46	0.38	9.55	21- Nov- 16	105
	Mr.Phitthaya Somkaew 3	Chang Sai, Kanchanadit, Suratthani	9° 5'0.91"	99°31'26.7 9"	2.59	1.31	32.86	21- Nov- 16	
	Mrs.Chaliaw Krachokchol 1*	Krut, Kanchanadit, Suratthani	9° 6'45.54"	99°30'59.9 5"	1.73	1.73	43.13	21- Nov- 16	
90	Mrs.Chaliaw Krachokchol 2	Krut, Kanchanadit, Suratthani	9° 5'44.94"	99°35'32.5 0"	7.28	7.28	182.02	21- Nov- 16	106*
	Mrs.Chaliaw Krachokchol 3	Chang Sai, Kanchanadit, Suratthani	9° 0'1.57"	99°29'36.1 3"	6.83	6.51	162.74	21- Nov- 16	
91	Mr.Sutap Intong	Krut, Kanchanadit, Suratthani	9° 8'27.54"	99°29'30.8 7"	3.69	3.53	88.13	21- Nov- 16	107
92	Mr.Raluek Bunchu	Thung Rang , Kanchanadit, Suratthani	9° 5'33.98"	99°26'2.90"	0.88	0.86	21.47	21- Nov- 16	108
93	Mr.Mongkon Maneerat	Khun Thale, Mueang, Suratthani	8°58'19.6 5"	99°21'41.2 7"	3.78	3.70	92.50	21- Nov- 16	109
94	Mr.Prasit Dutrak	Makham Tia, Mueang, Suratthani	9° 5'58.99"	99°22'18.4 5"	0.80	0.80	20.04	21- Nov- 16	110
95	Mrs.Prathum Dujrak 1	Makham Tia, Mueang, Suratthani	9° 5'59.11"	99°22'21.6 9"	0.80	0.80	20.01	21- Nov- 16	111
33	Mrs.Prathum Dujrak 2	Makham Tia, Mueang, Suratthani	9° 6'10.93"	99°22'14.4 4"	0.17	0.17	4.18	21- Nov- 16	111



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
96	Mr.Chatturong Koedsang 1	Chang Khwa, Kanchanadit, Suratthani	9° 5'58.26"	99°25'32.7 4"	0.33	0.33	8.16	21- Nov- 16	112
90	Mr.Chatturong Koedsang 2	Chang Khwa, Kanchanadit, Suratthani	9° 5'55.92"	99°25'32.6 2"	0.51	0.51	12.72	21- Nov- 16	112
97	Mr.Sutin Hiranrueang	Krut, Kanchanadit, Suratthani	9° 6'39.71"	99°31'15.9 0"	4.35	2.59	64.64	22- Nov- 16	113
98	Mr.Kan Chimrung 1	Thung Rang , Kanchanadit, Suratthani	9° 3'55.81"	99°25'34.6 8"	1.41	1.41	35.25	22- Nov- 16	114
90	Mr.Kan Chimrung 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'54.34"	99°27'38.6 8"	4.67	1.47	36.77	22- Nov- 16	114
99	Mr.Chaiwat Panrin	Thung Rang , Kanchanadit, Suratthani	9° 4'37.16"	99°26'2.86"	1.85	1.85	46.34	22- Nov- 16	116
10 0	Mrs.Saowaluk Chimmachui	Thung Rang , Kanchanadit, Suratthani	9° 5'17.18"	99°25'48.6 2"	2.44	2.44	61.11	22- Nov- 16	117
10 1	Mr.Prajuab Nusing	Makham Tia, Mueang, Suratthani	9° 5'17.91"	9°22'36.40"	3.29	3.21	80.25	22- Nov- 16	118
10 2	Mrs.Suthathip Thotriaa	Chang Khwa, Kanchanadit, Suratthani	9° 2'57.66"	99°26'25.8 0"	2.08	1.84	46.00	22- Nov- 16	119
10 3	Mr.Kumnuan Thummapattharak ul	Chang Khwa, Kanchanadit, Suratthani	9° 6'55.75"	99°26'46.5 4"	24.69	22.29	557.19	22- Nov- 16	120
10	Mrs.Wannee Kongphayak 1*	Chang Khwa, Kanchanadit, Suratthani	9° 2'11.73"	99°27'48.5 7"	4.45	3.64	91.00	22- Nov- 16	422
4	Mrs.Wannee Kongphayak 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'29.84"	99°26'20.8 0"	1.64	1.64	40.90	23- Nov- 16	122
10 5	Mr.Rakchat Thueakthip	Chang Khwa, Kanchanadit, Suratthani	9° 6'47.04"	99°27'12.9 4"	1.24	1.24	31.05	23- Nov- 16	123
10 6	Mr.Chana Sualong	Chang Sai, Kanchanadit, Suratthani	8°59'50.0 6"	99°26'56.2 4"	2.90	2.90	72.51	23- Nov- 16	124



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Chana Sualong 2	Thung Tao Mai, Ban Na San, Suratthani	8°59'3.76"	99°25'5.22"	2.56	2.56	63.88	23- Nov- 16	
	Mr.Chana Sualong	Thung Tao Mai, Ban Na San, Suratthani	8°59'17.6 8"	99°23'48.6 5"	1.57	1.57	39.20	23- Nov- 16	
10	Mr.Khwansombat Phonruk 1	Khun Thale, Mueang, Suratthani	9° 2'36.10"	99°21'15.8 2"	2.88	2.08	51.95	23- Nov- 16	125
7	Mr.Khwansombat Phonruk 2	Khun Thale, Mueang, Suratthani	9° 2'31.08"	99°21'30.2 6"	1.96	0.84	21.12	23- Nov- 16	125
10	Mr.Pathomphong Khaowglib 1	Khun Thale, Mueang, Suratthani	9° 1'52.17"	99°22'47.6 9"	4.17	4.17	104.19	23- Nov- 16	
8	Mr.Pathomphong Khaowglib 2	Tha Ruea, Ban Na Doem, Suratthani	8°57'45.1 8"	99°16'27.3 3"	6.29	6.29	157.22	23- Nov- 16	126
	Mr.Somchok Noodaeng 1	Chang Sai, Kanchanadit, Suratthani	9° 4'54.34"	99°28'35.5 8"	1.73	1.57	39.18	23- Nov- 16	
10 9	Mr.Somchok Noodaeng 2	Chang Sai, Kanchanadit, Suratthani	9° 5'19.46"	99°28'23.2 3"	2.02	2.02	50.44	23- Nov- 16	127
	Mr.Somchok Noodaeng 3	Thung Rang , Kanchanadit, Suratthani	9° 4'30.56"	99°26'14.1 6"	2.29	2.29	57.27	23- Nov- 16	
11 0	Mrs.Nittaya Chimrong	Thung Rang , Kanchanadit, Suratthani	9° 3'11.55"	99°24'45.7 5"	2.56	2.56	64.00	23- Nov- 16	128
11	Mr.Preecha Janlek	Thung Kong, Kanchanadit, Suratthani	9° 7'1.72"	99°24'6.39"	2.48	2.47	61.87	23- Nov- 16	120
1	Mr.Preecha Janlek 2	Thung Kong, Kanchanadit, Suratthani	9° 6'38.66"	99°24'10.4 1"	9.74	9.66	241.40	23- Nov- 16	129
11	Mrs.Suphanee Sangsanthai 1	Chang Khwa, Kanchanadit, Suratthani	9° 5'43.75"	99°26'9.74"	1.88	1.88	46.90	23- Nov- 16	130
2	Mrs.Suphanee Sangsanthai 2	Chang Khwa, Kanchanadit, Suratthani	9° 4'15.62"	99°26'36.1 3"	0.81	0.81	20.26	23- Nov- 16	130
11 3	Mr.Prasoet Phetsrisom 1	Chang Sai, Kanchanadit, Suratthani	9° 2'54.73"	99°30'14.8 1"	8.17	8.17	204.14	23- Nov- 16	131



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Prasoet Phetsrisom 2	Chang Sai, Kanchanadit, Suratthani	9° 3'19.00"	99°29'50.2 8"	1.87	1.03	25.72	23- Nov- 16	
	Mr.Prasoet Phetsrisom 3	Krut, Kanchanadit, Suratthani	9° 7'1.23"	99°29'16.2 1"	0.64	0.56	13.93	23- Nov- 16	
11 4	Mr.Monthian Phumthawipanya 1	Thung Rang , Kanchanadit, Suratthani	9° 5'18.86"	99°25'57.3 4"	7.05	7.05	44.56	14- Nov- 17	132
	Mr.Monthian Phumthawipanya 2	Makham Tia, Mueang, Suratthani	9° 5'59.10"	99°21'49.5 5"	2.14	2.06	51.56	14- Nov- 17	
11 5	Mr.Chaloem Chimkaew	Thung Rang , Kanchanadit, Suratthani	9° 0'34.22"	99°23'28.7 3"	2.21	1.89	47.19	14- Nov- 17	133
11 6	Mr.Pisit Samhadthai	Khun Thale, Mueang, Suratthani	9° 2'4.89"	99°21'35.0 9"	3.86	3.86	96.38	14- Nov- 17	134
11	Mr.Snong Thasthong 1	Makham Tia, Mueang, Suratthani	9° 5'39.61"	99°22'24.7 7"	0.84	0.84	21.01	14- Nov- 17	135
7	Mr.Snong Thasthong 2	Makham Tia, Mueang, Suratthani	9° 5'49.47"	99°22'4.81"	0.79	0.79	0.00	14- Nov- 17	133
11	Mr.Sujin Janthananon 1	Makham Tia, Mueang, Suratthani	9° 4'34.71"	99°23'14.0 6"	0.66	0.50	12.62	14- Nov- 17	
8	Mr.Sujin Janthananon 2	Thung Rang , Kanchanadit, Suratthani	9° 1'4.31"	99°25'2.86"	1.69	1.69	42.25	14- Nov- 17	137
11 9	Mrs.Wilai Jaemit	Makham Tia, Mueang, Suratthani	9° 5'7.77"	99°22'27.3 4"	3.99	3.83	95.67	14- Nov- 17	138
12	Mr.Pongsak Sangjan 1	Makham Tia, Mueang, Suratthani	9° 5'21.63"	99°22'32.5 6"	2.47	2.47	61.83	14- Nov- 17	139
0	Mr.Pongsak Sangjan 2	Makham Tia, Mueang, Suratthani	9° 4'22.28"	99°23'27.8 9"	0.82	0.82	20.44	14- Nov- 17	139
	Mr.Somkid Tokamnoed 1	Khun Thale, Mueang, Suratthani	9° 4'18.75"	99°22'41.0 4"	3.86	3.66	91.57	15- Nov- 17	
12 1	Mr.Somkid Tokamnoed 2	Khun Thale, Mueang, Suratthani	9° 4'14.55"	99°22'41.6 6"	0.81	0.65	16.35	15- Nov- 17	140
	Mr.Somkid Tokamnoed 3*	Thung Rang , Kanchanadit, Suratthani	9° 4'9.62"	99°24'16.7 9"	4.76	4.76	119.02	15- Nov- 17	



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
12 2	Mr.Praphon Hansang	Chang Khwa, Kanchanadit, Suratthani	9° 0'59.04"	99°26'14.7 5"	12.84	12.02	300.48	15- Nov- 17	141
12 3	Mr.Wattana Kanavittaya	Chang Sai, Kanchanadit, Suratthani	9° 5'4.11"	99°28'15.3 4"	8.18	8.18	204.54	15- Nov- 17	142
12 4	Mrs.Naruemol Sangthongngam	Thung Rang , Kanchanadit, Suratthani	9° 2'25.80"	99°24'34.9 2"	3.76	3.76	94.07	15- Nov- 17	143
12	Mr.Pongkit Jaisangadworachit 1	Thung Rang , Kanchanadit, Suratthani	9° 1'46.76"	99°23'49.1 9"	16.23	16.23	405.84	15- Nov- 17	
5	Mr.Pongkit Jaisangadworachit 2	Thung Rang , Kanchanadit, Suratthani	9° 1'24.47"	99°23'45.5 8"	2.05	2.05	51.35	15- Nov- 17	144
12	Mrs.Somchit Pinthongsri 1	Thung Rang , Kanchanadit, Suratthani	9° 2'42.39"	99°24'13.6 8"	2.21	2.17	54.16	15- Nov- 17	145
6	Mrs.Somchit Pinthongsri 2	Thung Rang , Kanchanadit, Suratthani	9° 4'52.05"	99°24'24.8 1"	3.65	1.73	43.13	15- Nov- 17	145
12 7	Mr.Prasan Kongyang	Chang Khwa, Kanchanadit, Suratthani	9° 4'36.17"	99°26'31.1 2"	1.00	1.00	24.88	16- Nov- 17	146
12	Mr.Sitthiporn Phongkaew 1	Chang Sai, Kanchanadit, Suratthani	9° 5'18.78"	99°28'30.7 4"	1.18	1.18	29.62	16- Nov- 17	147
8	Mr.Sitthiporn Phongkaew 2	Chang Sai, Kanchanadit, Suratthani	9° 5'9.91"	99°27'56.1 5"	0.65	0.65	16.35	16- Nov- 17	147
12 9	Mr.Chainarong Intong*	Krut, Kanchanadit, Suratthani	9° 8'32.00	99°29'24.6 2"	5.76	5.44	135.96	16- Nov- 17	148
	Mr.Narithep Phrmthong 1	Chang Khwa, Kanchanadit, Suratthani	9° 7'2.02"	99°26'24.2 8"	1.25	1.25	31.14	16- Nov- 17	
13 0	Mr.Narithep Phrmthong 2	Chang Khwa, Kanchanadit, Suratthani	9° 7'8.57"	99°26'15.4 1"	1.40	1.38	34.47	16- Nov- 17	149
	Mr.Narithep Phrmthong 3	Thung Kong, Kanchanadit, Suratthani	9° 6'28.97"	99°24'0.91"	4.19	2.59	64.84	16- Nov- 17	



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
13 1	Mrs.Charatkorn Srisawat	Thung Rang , Kanchanadit, Suratthani	9° 1'40.74"	99°23'32.1 8"	4.45	4.37	109.23	16- Nov- 17	150
13 2	Mrs.Tuangporn Srisawad	Thung Rang , Kanchanadit, Suratthani	9° 0'19.72"	99°25'5.38"	6.01	2.40	60.00	16- Nov- 17	151
13 3	Mr.Jamnong Phetnui	Chang Khwa, Kanchanadit, Suratthani	9° 3'18.94"	99°27'20.0 4"	2.29	1.93	48.25	16- Nov- 17	152
13 4	Mr.Narin Phumrat	Chang Sai, Kanchanadit, Suratthani	8°59'49.8 8"	99°27'22.0 8"	4.51	3.23	80.83	16- Nov- 17	153
13 5	Mr.Benjapol Chonlatansarid	Thung Rang , Kanchanadit, Suratthani	9° 0'55.81"	99°23'7.08"	1.80	1.80	44.99	21- Dec- 18	154
13	Mrs.Thanusin Thodsin 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'21.33"	99°26'6.37"	0.96	0.96	23.99	21- Dec- 18	156
6	Mrs.Thanusin Thodsin 2	Chang Khwa, Kanchanadit, Suratthani	9° 7'19.03"	99°25'56.9 7"	1.78	1.78	0.00	21- Dec- 18	150
13 7	Mrs.Jirawan Khongsap	Chang Khwa, Kanchanadit, Suratthani	9° 0'28.90"	99°27'8.80"	8.61	1.44	36.00	25- Dec- 18	157
13 8	Mrs.Suporn Polyanunt	Khun Thale, Mueang, Suratthani	9° 2'30.54"	99°21'10.4 3"	7.55	7.55	188.64	21- Dec- 18	158
13	Mr.Sonrapong Sonkham 1	Chang Khwa, Kanchanadit, Suratthani	9° 3'29.85"	99°26'21.2 1"	1.43	1.11	27.64	21- Dec- 18	450
9	Mr.Sonrapong Sonkham 2	Chang Khwa, Kanchanadit, Suratthani	9° 3'29.61"	99°26'23.7 7"	1.16	0.52	12.99	21- Dec- 18	159
14	Mrs.Phonrat Chatjaroen 1	Thung Kong, Kanchanadit, Suratthani	9° 6'41.74"	99°24'28.3 2"	2.43	2.27	56.68	23- Dec- 18	160
0	Mrs.Phonrat Chatjaroen 2	Thung Kong, Kanchanadit, Suratthani	9° 7'7.51"	99°24'11.8 2"	3.10	1.48	37.00	23- Dec- 18	100
14 1	Mrs.Pattaraporn Punmanee	Chang Khwa, Kanchanadit, Suratthani	9° 1'20.75"	99°26'9.12"	11.85	11.68	292.00	21- Dec- 18	161



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
14 2	Mrs.Sudsaipin Wongtharatip	Thung Rang , Kanchanadit, Suratthani	9° 1'51.71"	99°23'42.6 8"	6.76	6.76	169.05	25- Dec- 18	162
	Mr.Chainarong Chumkhiao 1	Chang Khwa, Kanchanadit, Suratthani	9° 3'35.57"	99°26'21.4 6"	1.72	1.40	35.01	21- Dec- 18	
14	Mr.Chainarong Chumkhiao 2	Thung Rang , Kanchanadit, Suratthani	9° 5'2.15"	99°26'4.57"	0.80	0.80	20.00	21- Dec- 18	164
3	Mr.Chainarong Chumkhiao 3	Thung Rang , Kanchanadit, Suratthani	9° 4'56.88"	99°26'9.92"	1.07	1.07	26.79	21- Dec- 18	
	Mr.Chainarong Chumkhiao 4	Chang Sai, Kanchanadit, Suratthani	9° 3'14.59"	99°28'6.18"	1.22	1.22	0.00	21- Dec- 18	
14 4	Mr.Sombat Tongplot	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.26"	99°26'30.1 0"	2.16	2.16	54.03	22- Dec- 18	165
14 5	Mr.Prasit Detkoed	Thung Rang , Kanchanadit, Suratthani	9° 3'3.05"	99°23'54.1 7"	5.72	5.56	139.03	22- Dec- 18	166
14 6	Mrs.Panitcha Kongphayak	Chang Sai, Kanchanadit, Suratthani	9° 0'49.04"	99°28'20.5 8"	3.35	3.35	83.79	21- Dec- 18	167
14 7	Mrs.Sudamorn Kanurai	Chang Khwa, Kanchanadit, Suratthani	9° 5'15.83"	99°26'52.9 7"	4.85	4.85	121.36	25- Dec- 18	168
14 8	Mr.Arinphob Thuadsin	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.40"	99°26'10.7 2"	1.69	1.69	42.24	21- Dec- 18	169
14	Mrs.Fuangfa Nawarat 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'26.62"	99°27'12.4 8"	2.13	2.13	53.24	21- Dec- 18	170
9	Mrs.Fuangfa Nawarat 2*	Chang Khwa, Kanchanadit, Suratthani	9° 7'27.30"	99°26'51.0 2"	1.31	1.31	32.68	21- Dec- 18	170
15 0	Mr.Somchat Saengao	Krut, Kanchanadit, Suratthani	9° 6'31.54"	99°30'57.3 9"	1.87	1.71	42.80	21- Dec- 18	171
15 1	Mr.Thanongsak Sakunphan	Chang Khwa, Kanchanadit, Suratthani	9° 6'31.34"	99°26'2.26"	3.89	3.41	85.23	21- Dec- 18	172



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
15 2	Mr.Suriyan Thapmueang	Chang Sai, Kanchanadit, Suratthani	9° 5'33.01"	99°27'43.2 8"	2.36	1.70	42.61	24- Dec- 18	173
	Mr.Amphon Suksanit 1	Chang Sai, Kanchanadit, Suratthani	9° 5'17.25"	99°28'3.70"	1.76	1.76	44.03	22- Dec- 18	
15	Mr.Amphon Suksanit 2	Chang Sai, Kanchanadit, Suratthani	9° 5'2.80"	99°28'5.76"	1.19	1.19	29.74	22- Dec- 18	174
3	Mr.Amphon Suksanit 3	Chang Sai, Kanchanadit, Suratthani	9° 4'33.54"	99°27'49.0 8"	1.91	1.89	47.16	22- Dec- 18	171
	Mr.Amphon Suksanit 4	Chang Sai, Kanchanadit, Suratthani	9° 4'48.09"	99°28'31.1 3"	4.67	1.79	44.83	22- Dec- 18	
	Mr.Aunpachai Mueangmee 1	Chang Khwa, Kanchanadit, Suratthani	9° 6'20.93"	99°25'56.8 7"	0.84	0.52	13.01	22- Dec- 18	
15	Mr.Aunpachai Mueangmee 2	Chang Khwa, Kanchanadit, Suratthani	9° 2'50.42"	99°26'21.2 8"	2.14	1.98	49.41	22- Dec- 18	175
4	Mr.Aunpachai Mueangmee 3	Chang Khwa, Kanchanadit, Suratthani	9° 4'16.04"	99°26'10.5 2"	1.91	1.91	47.66	22- Dec- 18	1/3
	Mr.Aunpachai Mueangmee 4	Chang Khwa, Kanchanadit, Suratthani	9° 4'12.03"	99°26'15.0 9"	0.54	0.54	13.62	22- Dec- 18	
15 5	Mr.Chalat Promsahwat	Chang Khwa, Kanchanadit, Suratthani	9° 3'18.61"	99°26'30.4 4"	1.19	1.19	29.81	22- Dec- 18	176
15 6	Mr.Thanawat Chamroenwong	Krut, Kanchanadit, Suratthani	9° 4'20.09"	99°33'11.6 7"	6.09	1.53	38.34	22- Dec- 18	177
15	Mr.Udomsak Nasdasana 1	Thung Rang , Kanchanadit, Suratthani	9° 2'32.40"	99°25'16.5 3"	18.24	18.24	455.90	22- Dec- 18	179
7	Mr.Udomsak Nasdasana 2*	Thung Rang , Kanchanadit, Suratthani	9° 2'40.82"	99°23'15.6 1"	6.50	6.48	162.04	22- Dec- 18	179
15 8	Mr.Suchin Rotkhum	Thung Rang , Kanchanadit, Suratthani	9° 3'1.76"	99°23'48.4 1"	4.67	4.24	106.02	12- Dec- 19	180
15 9	Miss.Poontita Walairat 1	Thung Rang	9° 2'55.16"	99°23'52.2 8"	9.31	8.34	208.59	11- Dec- 19	181



			GPS R	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
		Kanchanadit, Suratthani							
	Miss.Poontita Walairat 2	Khun Thale, Mueang, Suratthani	9° 3'47.51"	99°21'14.3 9"	1.76	1.76	43.91	11- Dec- 19	
16 0	Mrs.Teeranat Charoonrat	Thung Rang , Kanchanadit, Suratthani	9° 2'21.65"	99°25'22.9 6"	10.95	10.95	273.70	14- Dec- 19	182
16 1	Mrs.Kanchana palanuson	Thung Rang , Kanchanadit, Suratthani	9° 0'48.69"	99°24'18.9 1"	7.53	7.52	188.00	12- Dec- 19	183
16 2	Mr.Pasakorn Aksorntip	Thung Rang , Kanchanadit, Suratthani	9° 1'33.13"	99°23'44.0 1"	9.32	9.24	230.88	14- Dec- 19	184
16 3	Miss.Kannika Rotkhum	Thung Kong, Kanchanadit, Suratthani	9° 6'16.59"	99°24'7.28"	5.98	5.66	141.47	13- Dec- 19	185
16 4	Mrs.Duangjai Thamcharoen	Thung Rang , Kanchanadit, Suratthani	9° 3'57.53"	99°24'26.1 3"	4.32	4.20	105.00	11- Dec- 19	186
16 5	Mr.Phaisan Laksanachu	Thung Rang , Kanchanadit, Suratthani	9° 2'43.36"	99°23'42.7 2"	2.47	0.96	24.00	14- Dec- 19	187
16 6	Mr.Sukrit Ratanaluerungroj	Thung Rang , Kanchanadit, Suratthani	9° 3'53.44"	99°25'22.2 4"	7.96	7.96	198.92	14- Dec- 19	188
16	Mr.Natthawet Kolaka 1	Thung Kong, Kanchanadit, Suratthani	9° 6'52.24"	99°24'1.33"	1.89	1.89	47.26	12- Dec- 19	189
7	Mr.Natthawet Kolaka 2	Thung Kong, Kanchanadit, Suratthani	9° 7'59.50"	99°23'58.0 7"	1.97	1.97	49.30	12- Dec- 19	109
	Mr.Fangphas Boonliang 1	Thung Kong, Kanchanadit, Suratthani	9° 5'57.46"	99°24'4.85"	23.82	23.82	595.58	14- Dec- 19	
16 8	Mr.Fangphas Boonliang 2	Khun Thale, Mueang, Suratthani	9° 4'14.20"	99°21'10.9 2"	4.03	4.03	100.86	14- Dec- 19	190
	Mr.Fangphas Boonliang 3	Wat Pradu, Mueang, Suratthani	9° 3'51.08"	99°18'7.40"	4.67	4.67	116.63	14- Dec- 19	
16 9	Mr.Sophit Khlailuea	Chang Khwa, Kanchanadit, Suratthani	9° 4'42.58"	99°26'19.5 6"	1.85	1.85	46.21	11- Dec- 19	191



			GPS R	eference	Area Summary (Ha)		Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
17 0	Mrs.Kwannipa Saknarong	Chang Khwa, Kanchanadit, Suratthani	9° 3'23.58"	99°26'17.7 5"	1.42	1.18	29.61	13- Dec- 19	192
17 1	Mrs.Yindee Saknarong	Chang Khwa, Kanchanadit, Suratthani	9° 3'24.86"	99°26'20.2 9"	0.42	0.40	10.00	11- Dec- 19	193
17 2	Mr.Peerapat Nacsiri	Chang Khwa, Kanchanadit, Suratthani	9° 6'49.95"	99°27'12.6 2"	2.50	2.40	60.00	13- Dec- 19	194
17	Mr.Saroch Natithamkul 1	Khun Thale, Mueang, Suratthani	9° 3'23.49"	99°21'9.56"	2.97	2.81	70.16	12- Dec- 19	196
3	Mr.Saroch Natithamkul 2*	Tha Uthae, Kanchanadit, Suratthani	9° 9'45.05"	99°34'14.5 8"	3.71	3.61	90.34	12- Dec- 19	190
17 4	Mrs.Tippawan Thanfu	Chang Khwa, Kanchanadit, Suratthani	9° 1'31.99"	99°26'28.3 9"	1.18	1.18	29.61	14- Dec- 19	197
17 5	Mr.Phairot Ritbunyakon	Khun Thale, Mueang, Suratthani	8°59'52.7 6"	99°22'14.1 1"	4.00	4.00	100.09	14- Dec- 19	198
17 6	Mr.Apiseat Rattananikom	Makham Tia, Mueang, Suratthani	9° 6'47.79"	99°22'1.80"	3.20	3.04	76.12	12- Dec- 19	199
17 7	Mrs.Nanthaphak Aomee	Krut, Kanchanadit, Suratthani	9° 5'52.24"	99°30'48.1 4"	3.87	3.79	94.81	13- Dec- 19	200
17 8	Mr.Chalong Khemchaeng	Chang Khwa, Kanchanadit, Suratthani	9° 0'36.46"	99°26'37.2 6"	2.13	2.13	53.25	12- Dec- 19	201
17	Mrs.Suthin Chuphrom 1	Chang Sai, Kanchanadit, Suratthani	9° 3'56.66"	99°29'59.5 5"	1.81	1.81	45.14	11- Dec- 19	202
9	Mrs.Suthin Chuphrom 2*	Krut, Kanchanadit, Suratthani	9° 7'47.04"	99°29'40.4 6"	1.53	1.53	0.00	11- Dec- 19	202
18	Mrs.Churee Chaikum 1	Chang Sai, Kanchanadit, Suratthani	9° 4'43.09"	99°29'48.8 1"	3.79	3.72	93.04	11- Dec- 19	
0	Mrs.Churee Chaikum 2*	Chang Khwa, Kanchanadit, Suratthani	9° 7'36.93"	99°27'46.5 6"	1.05	1.05	0.00	11- Dec- 19	203
18 1	Mrs.Pratum Sutwan 1	Makham Tia, Mueang, Suratthani	9° 5'12.94"	99°22'22.0 5"	1.04	1.04	26.05	14- Dec- 19	204



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mrs.Pratum Sutwan 2	Makham Tia, Mueang, Suratthani	9° 5'13.83"	99°22'37.5 8"	2.44	2.44	60.97	14- Dec- 19	
	Mrs.Pratum Sutwan 3	Khun Thale, Mueang, Suratthani	9° 4'40.75"	99°22'32.0 0"	0.76	0.76	18.90	14- Dec- 19	
	Mrs.Kanya Sutwan 1	Makham Tia, Mueang, Suratthani	9° 4'39.37"	99°22'37.7 5"	1.91	0.96	24.00	14- Dec- 19	
18 2	Mrs.Kanya Sutwan 2	Makham Tia, Mueang, Suratthani	9° 5'33.18"	99°22'23.6 0"	0.83	0.83	20.84	14- Dec- 19	205
	Mrs.Kanya Sutwan 3	Makham Tia, Mueang, Suratthani	9° 5'35.98"	99°22'15.6 6"	0.87	0.83	20.71	14- Dec- 19	
18 3	Mr.Kittisak Suebdod	Khun Thale, Mueang, Suratthani	9° 4'0.15"	99°23'20.0 4"	0.73	0.57	14.37	14- Dec- 19	206
18 4	Mr.Ching Crutthong	Khun Thale, Mueang, Suratthani	9° 3'35.07"	99°22'23.2 8"	4.01	3.85	96.24	11- Dec- 19	207
18 5	Mr.Banchong Wonhwichien	Khun Thale, Mueang, Suratthani	9° 3'6.87"	99°23'13.7 0"	1.00	0.96	24.00	12- Dec- 19	208
18 6	Mrs.Jirapa Srithip	Khun Thale, Mueang, Suratthani	9° 3'10.54"	99°23'4.81"	3.44	3.44	85.89	13- Dec- 19	209
18	Mr.Teerasak Maneerat 1	Khun Thale, Mueang, Suratthani	9° 3'0.11"	99°22'44.9 9"	1.60	1.60	40.00	11- Dec- 19	210
7	Mr.Teerasak Maneerat 2	Khun Thale, Mueang, Suratthani	9° 3'17.19"	99°23'0.47"	1.97	1.65	41.20	11- Dec- 19	210
	Mr.Prapoj Khunthongjun 1	Khun Thale, Mueang, Suratthani	8°59'17.3 0"	99°20'20.8 2"	6.29	6.29	157.23	11- Dec- 19	
18 8	Mr.Prapoj Khunthongjun 2	Khun Thale, Mueang, Suratthani	8°58'36.7 3"	99°21'26.7 7"	4.37	4.37	109.24	11- Dec- 19	211
	Mr.Prapoj Khunthongjun 3	Khun Thale, Mueang, Suratthani	9° 0'4.29"	99°20'10.1 5"	4.47	4.47	111.82	11- Dec- 19	
18	Miss.Naree Khnawittaya 1	Chang Khwa, Kanchanadit, Suratthani	9° 1'4.30"	99°27'41.6 2"	2.21	2.21	55.35	12- Dec- 19	212
9	Miss.Naree Khnawittaya 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'5.58"	99°27'33.5 3"	0.41	0.41	10.25	12- Dec- 19	212
19 0	Miss.Yananthon Chaichan	Chang Khwa,	9° 2'8.05"	99°26'27.8 7"	2.40	1.28	32.01	12- Dec- 19	213



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
		Kanchanadit, Suratthani							
19 1	Mr.Komon Poungfu	Thung Rang , Kanchanadit, Suratthani	9° 1'6.53"	99°25'56.3 0"	1.79	1.77	44.37	12- Dec- 19	215
19 2	Mrs.Saeing Chauykerd	Chang Khwa, Kanchanadit, Suratthani	9° 4'34.51"	99°26'31.3 7"	2.32	2.32	57.91	11- Dec- 19	216
	Mr.Matee Phetklap 1	Chang Khwa, Kanchanadit, Suratthani	9° 7'21.76"	99°26'14.6 9"	1.00	1.00	25.00	29- May- 20	
19 3	Mr.Matee Phetklap 2	Chang Khwa, Kanchanadit, Suratthani	9° 6'50.15"	99°25'40.7 1"	3.40	2.76	69.05	29- May- 20	217
	Mr.Matee Phetklap 3	Chang Khwa, Kanchanadit, Suratthani	9° 6'22.65"	99°25'41.8 7"	1.15	1.05	26.29	29- May- 20	
19 4	Mrs.Rabiab Promtong	Chang Khwa, Kanchanadit, Suratthani	9° 6'0.88"	99°25'59.0 3"	1.04	1.04	26.03	29- May- 20	218
19	Mr.Samnao Chimrung 1	Chang Khwa, Kanchanadit, Suratthani	9° 3'41.47"	99°26'10.2 9"	1.60	1.60	40.00	29- May- 20	240
5	Mr.Samnao Chimrung 2	Chang Khwa, Kanchanadit, Suratthani	9° 3'17.42"	99°26'18.5 2"	0.32	0.20	5.00	29- May- 20	219
	Miss.Sakorn Kongsub 1*	Chang Khwa, Kanchanadit, Suratthani	9° 0'40.17"	99°27'50.7 1"	12.21	12.21	305.35	29- May- 20	
19 6	Miss.Sakorn Kongsub 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'10.12"	99°27'0.08"	5.02	3.90	97.38	29- May- 20	220
	Miss.Sakorn Kongsub 3	Chang Khwa, Kanchanadit, Suratthani	9° 4'4.41"	99°25'45.2 4"	4.82	3.18	79.57	29- May- 20	
19 7	Mr.Auttapon Chaisuwan	Chang Sai, Kanchanadit, Suratthani	8°59'26.1 7"	99°29'27.2 2"	5.22	5.22	130.61	29- May- 20	223
19 8	Mr.Surin Thonhsawad	Chang Khwa, Kanchanadit, Suratthani	9° 1'2.24"	99°27'49.9 7"	3.10	3.02	75.59	29- May- 20	224



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
19 9	Mr.sathit promrit	Chang Khwa, Kanchanadit, Suratthani	9° 3'36.01"	99°27'35.7 5"	2.55	2.21	55.17	29- May- 20	225
20	Mr.Chaiwat Chotiwetsin 1	Thung Rang , Kanchanadit, Suratthani	9° 4'9.12"	99°23'39.7 7"	5.88	5.88	146.88	29- May- 20	226
0	Mr.Chaiwat Chotiwetsin 2*	Thung Rang , Kanchanadit, Suratthani	8°59'31.9 6"	99°25'11.3 0"	16.00	15.68	392.00	29- May- 20	220
20	Mr.Prasoet Phetphailin 1	Thung Rang , Kanchanadit, Suratthani	9° 4'35.70"	99°24'22.2 8"	3.58	2.78	69.43	29- May- 20	227
1	Mr.Prasoet Phetphailin 2	Thung Rang , Kanchanadit, Suratthani	9° 4'26.45"	99°24'34.1 5"	1.12	1.12	28.02	29- May- 20	227
20 2	Mr.Surasak Promheet	Thung Rang , Kanchanadit, Suratthani	9° 2'42.70"	99°25'26.0 3"	2.29	2.17	54.14	29- May- 20	228
20	Mr.Rangsan Kongsap 1	Chang Khwa, Kanchanadit, Suratthani	9° 0'57.24"	99°27'3.43"	3.42	2.30	57.38	29- May- 20	220
3	Mr.Rangsan Kongsap 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'18.20"	99°27'27.6 7"	1.45	1.45	36.19	29- May- 20	229
20 4	Mrs.Jantip Kongphayak	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.95"	99°25'22.0 2"	2.21	2.21	55.22	29- May- 20	230
20 5	Mr.Tanin Inchu	Chang Sai, Kanchanadit, Suratthani	9° 3'16.04"	99°28'53.0 8"	12.70	8.94	223.61	29- May- 20	231
20 6	Mrs.Ooraphen Chumkhiao	Thung Rang , Kanchanadit, Suratthani	9° 5'2.52"	99°26'1.92"	0.69	0.68	17.00	29- May- 20	232
20 7	Miss.Kansuda Sudchit	Thung Rang , Kanchanadit, Suratthani	9° 0'38.04"	99°24'44.8 5"	3.03	2.51	62.67	29- May- 20	233
20 8	Mr.Manit Suphatharapathip	Chang Sai, Kanchanadit, Suratthani	9° 2'48.86"	99°29'57.3 5"	2.36	0.64	16.00	29- May- 20	234
20 9	Mr.Thanaphat Prompahakul	Khun Thale, Mueang, Suratthani	9° 4'14.60"	99°20'29.6 0"	1.67	1.48	37.00	29- May- 20	235



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
21	Mrs.Siriphorn Nuchouy 1	Khun Thale, Mueang, Suratthani	9° 3'32.40"	99°22'41.7 3"	0.95	0.92	23.00	29- May- 20	236
0	Mrs.Siriphorn Nuchouy 2	Khun Thale, Mueang, Suratthani	9° 3'19.78"	99°22'50.2 6"	4.02	3.84	4.40	29- May- 20	230
21 1	Mrs.Tanyatorn Pitipuwatanadet	Khun Thale, Mueang, Suratthani	9° 3'23.30"	99°19'53.0 5"	1.57	1.57	39.16	29- May- 20	237
21	Mr.Anuchar Suttirak 1	Khun Thale, Mueang, Suratthani	9° 3'31.94"	99°20'50.9 8"	2.44	2.28	56.91	29- May- 20	238
2	Mr.Anuchar Suttirak 2	Khun Thale, Mueang, Suratthani	9° 3'26.73"	99°20'49.5 1"	0.87	0.87	21.81	29- May- 20	230
21 3	Mr.Somkiarti Nakphin	Chang Khwa, Kanchanadit, Suratthani	9° 2'5.56"	99°27'45.0 1"	1.47	1.47	36.68	29- May- 20	240
21 4	Mr.Prasit Plongsuwan	Thung Kong, Kanchanadit, Suratthani	9° 6'47.74"	99°23'39.4 6"	2.60	2.60	65.07	29- May- 20	241
21	Mr.Witthaya Jaengakson 1	Takhianthon g, Kanchanadit, Suratthani	9° 9'49.39"	99°25'54.0 6"	5.67	5.51	137.76	29- May- 20	242
5	Mr.Witthaya Jaengakson 2	Takhianthon g, Kanchanadit, Suratthani	9°10'5.85"	99°25'47.5 5"	2.43	2.43	60.69	29- May- 20	242
21 6	Mr.Chaiwat Deecharoenkul	Chang Sai, Kanchanadit, Suratthani	9° 4'53.04"	99°29'27.1 8"	13.05	12.99	324.69	29- May- 20	243
	Mr.Phichet Chokchaikawin 1*	Thung Rang , Kanchanadit, Suratthani	9° 2'41.86"	99°24'30.2 7"	19.13	18.81	470.24	29- May- 20	
	Mr.Phichet Chokchaikawin 2	Thung Rang , Kanchanadit, Suratthani	9° 2'54.32"	99°24'6.39"	3.36	3.36	84.00	29- May- 20	
21 7	Mr.Phichet Chokchaikawin 3	Khun Thale, Mueang, Suratthani	9° 3'40.17"	99°22'21.4 9"	8.01	7.69	192.28	29- May- 20	245
	Mr.Phichet Chokchaikawin 4	Makham Tia, Mueang, Suratthani	9° 5'53.08"	99°20'38.3 0"	3.36	2.88	72.12	29- May- 20	
	Mr.Phichet Chokchaikawin 5	Bang Kung, Mueang, Suratthani	9° 8'45.23"	99°21'8.08"	3.09	3.09	77.27	29- May- 20	
	Mr.Phichet Chokchaikawin 6	Bang Kung, Mueang, Suratthani	9° 8'49.49"	99°21'13.6 3"	2.08	1.72	42.91	29- May- 20	



			GPS Re	eference		ımmary la)	Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
	Mr.Phichet Chokchaikawin 7	Makham Tia, Mueang, Suratthani	9° 7'8.25"	99°20'53.1 2"	0.85	0.85	21.37	29- May- 20	
	Mr.Phichet Chokchaikawin 8	Nong Sai, Phun Phin, Suratthani	9° 7'11.60"	99° 8'20.62"	6.77	6.75	168.86	29- May- 20	
21	Mrs.Wilawan Ditai 1	Chang Khwa, Kanchanadit, Suratthani	<i>9°</i> 7'23.53"	99°26'54.6 9"	1.03	1.03	0.00	29- May- 20	246
8	Mrs.Wilawan Ditai 2	Chang Khwa, Kanchanadit, Suratthani	9° 7'6.50"	99°26'48.5 4"	1.55	1.55	38.76	29- May- 20	240
21 9	Mrs.Ratree Toonchalard	Thung Rang , Kanchanadit, Suratthani	9° 3'8.22"	99°23'48.6 7"	0.92	0.92	23.01	29- May- 20	247
22 0	Mr.Sampan Thongplod	Chang Khwa, Kanchanadit, Suratthani	9° 6'45.50"	99°27'49.7 9"	1.51	1.51	37.68	29- May- 20	248
22 1	Mr.Suthep Gunurai	Chang Khwa, Kanchanadit, Suratthani	9° 6'30.26"	99°25'27.4 1"	1.53	1.53	0.00	29- May- 20	249
22 2	Mr.Chamnong Singso	Wat Pradu, Mueang, Suratthani	9° 2'54.48"	99°18'39.0 5"	0.24	0.22	5.49	29- May- 20	250
22	Mr.Adison Mekanan 1	Chang Khwa, Kanchanadit, Suratthani	9° 2'49.32"	99°26'27.7 3"	0.85	0.81	20.30	29- May- 20	251
3	Mr.Adison Mekanan 2*	Chang Khwa, Kanchanadit, Suratthani	9° 2'12.34"	99°26'42.2 9"	9.51	9.51	237.75	29- May- 20	251
22 4	Mrs.Bunkuea Sarathip	Thung Rang , Kanchanadit, Suratthani	9° 1'32.51"	99°26'1.61"	5.54	1.86	46.46	29- May- 20	252
22 5	Mr.Preecha Phetnui	Chang Khwa, Kanchanadit, Suratthani	9° 3'20.80"	99°27'24.9 8"	3.84	3.84	96.11	29- May- 20	253
22 6	Mr.Chot Phophon	Thung Rang , Kanchanadit, Suratthani	9° 2'57.03"	99°25'13.6 5"	1.45	1.13	28.32	29- May- 20	254
22 7	Mr.Suwannee Wongauthai	Chang Khwa, Kanchanadit, Suratthani	9° 3'38.06"	99°25'46.6 6"	1.56	1.34	33.48	29- May- 20	256



			GPS R	eference	Area Summary (Ha)		Forecaste d annual	Date	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	of joinin g	r ID
22 8	Mr.Suban Chaiyachen	Chang Khwa, Kanchanadit, Suratthani	9° 2'29.71"	99°26'32.9 4"	5.75	5.73	143.36	29- May- 20	257
22 9	Mrs.Chaluai Witthi*	Chang Khwa, Kanchanadit, Suratthani	9° 1'49.07"	99°26'4.02"	5.73	3.20	80.00	29- May- 20	258
23 0	Mrs.Suniya Petkliang	Chang Khwa, Kanchanadit, Suratthani	9° 3'23.31"	99°26'35.0 7"	1.63	1.32	33.06	29- May- 20	259
23 1	Miss.Wilaiwan Wichaidit	Chang Khwa, Kanchanadit, Suratthani	9° 3'27.18"	99°26'56.7 0"	1.44	1.16	7.00	29- May- 20	260
23	Miss.Kanjanee Kongsup 1	Chang Khwa, Kanchanadit, Suratthani	9° 1'18.48"	99°27'3.00"	3.57	1.33	33.32	29- May- 20	261
2	Miss.Kanjanee Kongsup 2	Chang Khwa, Kanchanadit, Suratthani	9° 1'42.63"	99°25'43.1 9"	6.97	1.60	40.00	29- May- 20	261
23 3	Mr.Phaisan Rakchan	Chang Khwa, Kanchanadit, Suratthani	9° 2'51.27"	99°27'17.2 9"	1.14	0.98	24.61	29- May- 20	262
23 4	Mr.Sutthiphong Kongphayak	Chang Sai, Kanchanadit, Suratthani	9° 3'46.89"	99°27'39.4 6"	3.31	2.93	73.30	29- May- 20	263
	Mr.Wijit Kongjaroen 1	Chang Khwa, Kanchanadit, Suratthani	9° 7'26.24"	99°25'50.4 6"	3.16	3.16	78.92	29- May- 20	
23 5	Mr.Wijit Kongjaroen 2	Chang Khwa, Kanchanadit, Suratthani	9° 7'32.39"	99°25'59.9 9"	3.01	2.05	51.36	29- May- 20	264
	Mr.Wijit Kongjaroen 3	Chang Khwa, Kanchanadit, Suratthani	9° 7'15.19"	99°26'47.9 3"	0.62	0.62	15.40	29- May- 20	
23 6	Mrs.Suphaphon Sapmi	Tha Thong, Kanchanadit, Suratthani	9°15'33.9 9"	99°32'42.0 6"	6.00	6.00	150.06	29- May- 20	265
23 7	Mr.Srisak Srisawad	Thung Tao Mai, Ban Na San, Suratthani	8°57'40.5 3"	99°23'26.2 4"	0.71	0.71	17.67	29- May- 20	266
23 8	Mrs.Chutharat Kolaka 1.	Chang Khwa,	9° 6'5.53"	99°25'56.6 4"	1.17	1.17	29.23	29- May- 20	267



	Name of farmer		GPS Reference		Area Summary (Ha)		Forecaste d annual	Date of	Smallholde
No	Name of farmer	Location	Latitude (N)	Longitude (E)	Total Certifie d Area	Planted Area	FFB Productio n (MT)	joinin g	r ID
		Kanchanadit, Suratthani							
	Mrs.Chutharat Kolaka 2	Chang Khwa, Kanchanadit, Suratthani	9° 6'2.96"	99°25'59.2 5"	0.80	0.80	0.00	29- May- 20	
				1,180.4 2	1,330.8 5	29,594.25			

#### Note:

- \* are smallholders sampled in this audit.
- Existing member 238 members with 401 Oil Palm Plot planted (1,814.01 HA)
- Existing member add oil palm plot planted is blue type
- No New member



#### **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