

Template for Annual Report

AFoCo/010/2016



PROJECT ANNUAL REPORT

[May2016]

to [December 2016]

<Project Profile>	
Project Title	Domestication of Endangered, Endemic and Threatened Plant Species in Disturbed Terrestrial Ecosystem in Malaysia and Thailand
Project Duration	Start date: 19 th May 2016 End date: 18 th May 2022
Implementing Agency	Royal Forest Department, Thailand
Participating Countries	Malaysia and Thailand
Project Site	Mae Moh Mine, Lampang, and Takuapa, Phang Nga, Thailand
Budget and Source of Finance	Total: US\$ 368,288 - Secretariat: US\$ 175,000 - National budget (in-kind): US\$ 193,288
<Implementing Agency Profile>	
Name	Royal Forest Department
Address	61 Phahonyothin road, Lard Yao subdistrict, Jatujak District, Bangkok 10900
Project Manager	Ms. Chumnun Piananurak
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Declaration	<input checked="" type="checkbox"/> This report includes all the essential information on executed activities, achieved outputs, issues and challenges encountered in the period covered by the report meant for higher level of administration. <input type="checkbox"/> This project was prepared by the Project Manager and the staffs.

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1. Project Overview

(To include executive summary, immediate objectives and expected output from the Project Document) Mining is an inherently invasive process that can cause damage to a landscape in an area much larger than the mining site itself. With open cast mining, the overburden, which may be covered in forest, must be removed before the mining can commence. The environmental impacts of mining include erosion, formation of sinkholes, loss of biodiversity, and contamination of soil, groundwater and surface water by chemicals from mining processes.

Soil texture and water content can be greatly modified in disturbed sites, leading to changes of plant communities in the area. Most of the plants have low tolerance for metals in the soil, but sensitivity differs among species. Contaminants can modify or disturb microorganisms, thus modifying nutrient availability, causing a loss of vegetation in the area. Endemic species are especially sensitive since they need very specific environmental conditions. Destruction or slight modification of their habitat puts them at the risk of extinction. Habitats can be damaged when there is not enough terrestrial as well as by non-chemicals products such as large rocks from the mines that are discarded in the surrounding landscape with no concern for impacts on natural habitat. Besides creating environmental damage, the contamination resulting from leakage of chemicals also affects the health of local population.

Remediation takes time, and in most cases will not enable the recovery of the diversity present before the mining activity. Some invasive and native woody species with little commercial or ecological value are more resistant and will survive these levels, and some non-native species that can tolerate these concentrations in the soil will migrate in the mine surrounding lands to occupy the ecological niche. For these lands to become productive forests, intervention is needed to loosen compacted mine soils, correct chemical or nutrient deficiencies and replace their current vegetation. If no action is taken to remediate the many environmental problems inherent to modern mining, the end cost for governments and communities would be devastating.

The project entitled “Domestication of Endangered, Endemic and Threatened Plant Species in Disturbed Terrestrial Ecosystem in Malaysia and Thailand” is thus proposed for funding by AFoCo to address some of the impacts resulting from mining. Forests and biodiversity degradation are mostly under control by the good governance and forestry practices in Malaysia and Thailand but disturbed sites in the early years need to be rehabilitated and enriched with the national red-list and IUCN species. 12 to 30 species of endangered, endemic and rare tree species (EETS) from the lists shall be domesticated in this project. The project therefore promotes biodiversity conservation through domestication of EETS in each disturbed site involving collaborative activities between Malaysia-Thailand scientists. Results from the project can also be used for training and technology transfer to other ASEAN member countries.

2. Implementation Progress

2.1 Overall Progress

(To indicate the state of progress in a tabular form with specific descriptive comparison between planned and actual project implementation of activities using the final version of corresponding Annual Work and Budget Plan of the Project)

Output/ Activity No.	Key Activity	Progress Description	Timeline		Percentage Executed
			plan	actual	
Site Characterization					
Activity A.1 Selection of planting sites in denuded and disturbed forest, and identification of EETS for domestication					
Activity A.1.1	Site selection and identification of EETS for domestication	Mae Moh lignite mine was selected as the main study site and Takuapa ex-tin mine as an additional site. Overview of both selected sites is shown in Annex I. 6 EETS ie <i>Dalbergia cochinchinensis</i> , <i>Dalbergia oliveri</i> , <i>Aquilaria crassna</i> , <i>Vatica diospyroides</i> , <i>Neobalanocarpus heimii</i> and <i>Cotylelobium lanceolatum</i> were identified.	Apr-Dec 16	May-Sep 16 and 30 Oct 16	117
Activity A.1.2	GPS mapping	GPS mapping at Mae Moh mine was conducted by a team of lecturers from Kasetsart University. GPS mapping at Takuapa site will be conducted in January to March 2017.	Apr-Dec 16	10 Nov 16- Mar 17	70
Activity A.1.3	Producing Site Locality Map	Site locality maps at Mae Moh mine plot include boundary map, existing trees map and planted EETS map were produced as in Annex II. Maps of soil properties will be produced after processing of soil data.	Apr-Dec 16	19 Dec 16 – Mar 17	70
Activity A.2 Procurement of EETS					
Activity A.2.1	Purchase of seedlings or saplings	430 seedlings of each 6 EETS ie <i>Dalbergia cochinchinensis</i> , <i>Dalbergia oliveri</i> , <i>Aquilaria crassna</i> , <i>Vatica diospyroides</i> , <i>Neobalanocarpus heimii</i> and <i>Cotylelobium lanceolatum</i> were purchased. 1,800 banana shoots were bought and used as nursing plants.	Apr-Sep 16	3 and 18 Oct 16	100
Activity A.3 Establishment of model plots (Site preparation, planting stock, planting, tending, monitoring)					
Activity A.3.1	Irrigation	Irrigation is carried out manually at Mae Moh site while drip irrigation system is installed at Takuapa site. Watering at Mae Moh site was carried out 3 times (plan to do 14 times), drip-irrigation has	Apr-Jun 16	Dec 16- April 17	20

		already been planned and installation will be completed in March.			
Output/ Activity No.	Key Activity	Progress Description	Timeline		Percentage Executed
			plan	actual	
Activity A.3.2	Fire protection line and inspection road	Road for fire protection and watering route was built on both sides of the planting plot.	Apr-Dec 16	Dec 16	100
Activity A.3.3	Demarcation and wind protecting	The site is not windy but has more than 10,000 cattle roaming. Fencing made from cement post with barbed wire installed prevented cattle from encroaching into the planting plot. A project signboard has been put up in front of the plot at Mae Moh site. Posts made from PVC pipes were used to mark the planting site in Takuapa. . Signboard at Takuapa has not been put up.	Apr-Jun 16	3 Oct 16- Q1 2017	95
Activity A.3.4	Planting & Tending	Details of site preparation and EETS planting and tending appear as in Annex III. Due to planting in dry season, some plants died and refilling is therefore needed.	Apr-Sep 16	Oct 16	70
Activity A.3.5	Monitoring/supervising of site preparation, planting and tending	Every step of work during site preparation, planting and tending was photographed and reported by Project staff as appear in Annex III	Apr-Dec 16	Oct – Dec 16	80
Activity A.4	Documentation of biophysical site properties, planting techniques and assessment of growth	Survey of existing weeds was done by photography of every observed plant. Scientific names of the existing weeds and the photographs are shown in Annex IV. Survival rates of plants at 1 month after planting were counted and recorded. First growth measurement was done at 3 months after planting. The data appear as in Annex V.	Apr-Jun 16	Dec 16	80
Activity A.4.1	Soil analysis	432 soil samples were collected at Mae Moh site and 15 samples at Takuapa. Soil sampling techniques are described as in Annex VI. Since there are quite a large number of samples to be analyzed, soil data are expected to be produced by February 2017.	Apr-Jun 16	Dec 16 – February 17	50

Output/ Activity No.	Key Activity	Progress Description	Timeline		Percentage Executed
			plan	actual	
Activity A.4.2	Purchase of microclimate sensors	3 data loggers and 1 USB with interface cables for microclimate sensors were bought. The purchase of 2 data loggers and 1 USB has been committed to be used at Takuapa site. Samples of the equipment are shown in Annex VII . A cheaper set will be bought because the study site is located in a remote area. It is not secure to leave any expensive equipment unguarded.	Apr-Jun 16	Dec 16	60
Activity A.4.3	Purchase of height meter (vertex)	The purchase of 1 height meter (Vertex) has been committed which is expected in January 2017.	Apr-Jun 16	Jan 17	50
Activity A.4.4	Purchase of diameter tapes	The purchase of 4 diameter tapes has been committed which is expected in February 2017.	Apr-Jun 16	Jan 17	50
Activity A.4.5	Purchase of high resolution digital camera	2 high resolution digital cameras were bought to be used at Mae Moh site and Takuapa site. The photos captured are shown in Annex VII.	Apr-Jun 16	Sep 16	100
C. Technology Transfer and Capacity Development					
Activity C.1	Cross visits	Attending a national workshop held during 15-17 November at FRIM and extended field trip to problematic site on 18-19 November 2016. 8 officials from RFD visited Singapore Botanical Garden, Garden by the Bay, and Bukit Timah Natural Reserve during 6-10 December 2016. Tree species in these places were surveyed and recorded. Reports appear as Annex VIII	Jul-Dec 16	Oct 16	100
Activity C.2 Knowledge and technology transfer					
Activity C.2.1	Manual	250 copies	Oct-Dec 16	-	0
Activity C.2.2	Leaflet	500 copies of the Project leaflet were printed.	Oct-Dec 16	Nov 16	100
Activity C.2.3	Poster and roll up	10 posters and roll up have not been printed.	Oct-Dec 16	-	0
Activity C.2.4	Website development	The Project website was launched and can be accessed through http://afocothailand-malaysia.com/ . More data need to be added.	Oct-Dec 16	Dec 16	50

Output/ Activity No.	Key Activity	Progress Description	Timeline		Percentage Executed
			plan	actual	
D. Local Operation					
Activity D.2	Attending overseas meetings	Dr. Suwan Tangmitrchareon attended the IUFRO Regional Congress for Asia and Oceania 2016 in Beijing during 23-28 October 2016. His report appears as Annex IX.	Oct-Dec 16	Oct 16	100
Activity D.3	Inception Meeting	Inception meeting was held at Wienglakhor Hotel Lampang Thailand during 25-27 August 2016. Minutes of the meeting appears as Annex X.	Jul-Sep 16	25-27 Aug	100
Activity D.4	Annual report	Annual report	Oct-Dec 16	Jan 17	
Activity D.5 Miscellaneous					
Activity D.5.1	Office supply	Office supplies include cabinets, mobile amplifiers and microphones, paper etc. The photos of these items are shown in Annex VII.	Apr -Dec 16	Apr-Dec 17	90
Activity D.5.2	Phone, Fax, Mailing costs	3 Samsung Galaxy S7 edge were purchased for Project Director, Project Manager and Project Account Officer with registered number as +66-63982516991, +66-632715998 and +66-819257119, respectively. The photos of the phones are shown in Annex VII	Apr -Dec 16	Oct-Nov 16	100
Activity D.5.3	Office automation	2 notebooks, 1 projector, 1 digital cameras for Project director and 2 printers, The pictures of these items show in annex VII	Jul -Dec 16	Oct-Dec 16	100
Activity D.5.4	Local part-time Coordinator	Mr. Kamol Wisuppakan was contracted as a local part-time coordinator.	Aug -Dec 16	Aug-Dec16	100
Activity D.6	PSC Meeting	The 1 st national PSC meeting was held at RFD meeting room Bangkok. The 2 nd national PSC meeting was held on 20 th October 2016 at RFD meeting room Bangkok. 5 officers attended the 1 st PCC meeting at FRIM. The 2 nd PCC meeting, using budget that left over from D3, D6 and D7 as agreed by the 1 st PCC meeting, was held at Mae Moh mine. Minutes and ROD of these meetings appear as Annex X.	Oct - Dec 16	Sep-Dec 16	100
Activity D.7	Stakeholder Meeting	A meeting of 107 local people and other stakeholders was held on the 26 th December 2016 at Mae Moh mine meeting room. The participants were invited to visit demonstration plot and attend the project signing opening ceremony. Pictures of the event are shown in Annex XI. Another stakeholder meeting at Takuapa site is planned to be held in March 2017.	Apr-Jun 16	26 th Dec 16 – Mar 17	70

2.2 Key Decisions of Project Steering Committee /Coordination Meeting

(To summarize key decisions made to address issues and guide the project during PSC/PCC meetings organized during the reporting period)

The 1st national Project Steering Committee Meeting was held on 11th July 2016 at RFD, Bangkok, Thailand. The meeting agreed to look for new study site instead of Phadang ex-zinc mine as proposed in the WBP.

The 2nd national Project Steering Committee Meeting was held on 20th September 2016 at RFD, Bangkok, Thailand. The meeting recommended that matters on budget and WBP for 2017 should be discussed with the project director. Since there will be another project site at Takuapa which belongs to Kasetsart University, the meeting agreed to include 3 representatives from KU as project members.

The 1st Project Coordination Meeting was held on 18 November 2016, at FRIM, Malaysia. The Meeting considered and agreed on key decisions whereby representatives from Malaysia, Thailand, the ROK and the Secretariat are eligible to participate in future project coordination meetings. Regarding the time and venue of the Meeting, it was agreed that future project coordination meetings should be held in December every year until 2021 alternately in Malaysia and Thailand. It was also agreed that Thailand will reallocate funds from current budget for Inception Meeting (D.3), Project Steering Committee Meeting (D.6) and Stakeholder Meeting (D.7) for organizing the 2nd Project Coordination Meeting which was scheduled on 27–29 December 2016 in Thailand. The Meeting also agreed that the annual Work and Budget Plan will be revised to accommodate budget for organizing future meetings. It was also agreed that the host country will reserve budget for the participation of one (1) representative from the Secretariat in future meetings. The meeting discussed and agreed on the improved template for annual report.

The 2nd Project Coordination Meeting (PCM) was held on 28-29 December 2016, at Mae Moh mine Lampang, Thailand. The PCM reviewed the progress of implementation over the past year, finalized the work and budget plan for the following year, and provided guidance to the project implementation. The Meeting reviewed and adopted the Terms of Reference of the Project Coordination Committee (PCC). Project manager/leader of each country reported on progress of project implementation. The Meeting agreed that Thailand will submit its final annual report and financial statement for this fiscal year 2016 to Malaysia for compilation before Malaysia sends the reports from both countries to the Secretariat on 31 January 2017. The Meeting agreed to make the first budget request for 2017 in April. Technical issues discussed in the Meeting include the need for newly planted EETS trees to be watered regularly to ensure higher survival rate and provision of complete shade especially for *Aquilaria crassna*. Malaysia highlighted that there is a need to include wild boar protection and shade for plants that are grown in the open site. The Meeting further recommended Thailand to consider the refilling of EETS and nurse plants (banana). The Meeting proposed the implementing countries to identify the composition of the compost used in the Project by Thailand. The Meeting considered and approved total budget for fiscal 2017 of USD 65,000 and USD 36,395 for Malaysia and Thailand, respectively

2.3 Review of Performance Indicators and Activities

(To review how the project is actually performing against its Work Plan)

Output/ Activity No.	Key Activity	Indicators (Planned)	Indicators (Achieved)	Comments
A. Site Characterization				
Activity A.1 Selection of planting sites in denuded and disturbed forest, and identification of EETS for domestication				
Activity A.1.1	Site selection and identification of EETS for domestication	1 site 3 ha and 6 EETS	2 sites 3.5 ha and 6 EETS	
Activity A.1.2	GPS mapping	3 ha	3 ha	
Activity A.1.3	Producing Site Locality Map	60 sets	74 sets	A map at Takuapa site will be produced by April.
Activity A.2 Procurement of EETS				
Activity A.2.1	Purchase of seedlings or saplings	1,980 EETS seedlings	430 seedlings of each EETS including <i>Dalbergia cochinchinensis</i> , <i>Dalbergia oliveri</i> , <i>Aquilaria crassna</i> , <i>Vatica diospyroides</i> , <i>Neobalanocarpus heimii</i> , and <i>Cotylelobium lanceolatum</i> and 1,800 banana shoots purchased	
Activity A.3 Establishment of Model plots (Site preparation, planting stock, planting, tending, monitoring)				
Activity A.3.1	Irrigation	3 ha	Watering of 3.5ha manually	0.5 ha irrigation system will be set up at Takuapa in Febuary, manual watering at Mae Moh site will be deployed until early May.
Activity A.3.2	Fire protection line and inspection road	3 km	3 km	
Activity A.3.3	Demarcation and wind protecting	3 ha	3 ha at Mae Moh and 0.5 ha at Takuapa	Fencing and protection from direct sunlight installed at Mae Moh site, Post marked around the area and sign board will be put up at Takuapa .
Activity A.3.4	Planting & Tending	1800 plants	1,812 EETS plants and 1,800 banana plants were planted at Mae Moh site and, another 400 EETS plants at Takuapa site.	
Output/ Activity No.	Key Activity	Indicators (Planned)	Indicators (Achieved)	Comments

Activity A.3.5	Monitoring/supervising of site preparation, planting and tending	90 days	133 days	
Activity A.4 Documentation of biophysical site properties, planting techniques and assessment of growth				
Activity A.4.1	Soil analysis	15 samples	124 samples	
Activity A.4.2	Purchase of microclimate sensors	1 set	5 data loggers and 2 connecting wire	
Activity A.4.3	Purchase of height meter (vertex)	1 set	1 set	
Activity A.4.4	Purchase of diameter tapes	2 sets	4 sets	
Activity A.4.5	Purchase of high resolution digital camera	1 set	2 sets	
C. Technology Transfer and Capacity Development				
Activity C.1	Cross visits	9 persons for 36 days	13 persons 65 days	
Activity C.2 Knowledge and technology transfer				
Activity C.2.1	Manual	250	0	Manual on “Weeds at Mae Moh mine and its medicinal used” will be published in March 2017. 10 posters on the implementation of the project will be printed in February 2017.
Activity C.2.2	Leaflet	250	500	
Activity C.2.3	Poster and roll up	10 sets	0	
Activity C.2.4	Website development	1 website	1 website	The website will be made available at the end of January. Information will be update regularly.
D. Local Operation				
Activity D.2	Attending overseas meetings	1 person	1 person	
Activity D.3	Inception Meeting	1 meeting	1 meeting	
Activity D.4	Annual report	1 report	1 report	

Output/ Activity No.	Key Activity	Indicators (Planned)	Indicators (Achieved)	Comments
Activity D.5 Miscellaneous				

Activity D.5.1	Office supply	1 year	cabinets, mobile amplifiers and microphones, per, folders etc.	Remaining office supplies will be purchased in February 2017.
Activity D.5.2	Phone, Fax, Mailing costs	1 year	3 Samsung Galaxy S7 edge were purchased	
Activity D.5.3	Office automation	1 year	2 notebooks, 1 projector, 1 digital cameras and 2 printers	
Activity D.5.4	Local part-time Coordinator (contract)	1 coordinator	1 coordinator	
Activity D.6	PSC Meeting	1 meeting	2 PSC meetings & 1 PCC meeting	
Activity D.7	Stakeholder Meeting	1 meeting (100 people)	1 meeting (107 people)	1 more meeting is planned to be held in March.

3 Financial Report

(To insert financial statements for the fiscal year and include in-kind contribution)

3.1 Statement of Cash Flow

Statement of Cash Flow (SOC)

Project Number: 010/2016

Project Title: Domestication of Endangered, Endemic and Threatened Plant
Species in Disturbed Terrestrial Ecosystem in Malaysia and Thailand

**Reporting
Period:
SOE
Number:**

May-December 2016

	Component	Timeline		Remark
		2016	2017	
1	CASH IN	175,000.00		
	Balance	-	148.12	Surplus budget
	Funds received	175,000.00		22-July.-16
	Bank interest			
2	CASH OUT	174,851.88		
	Expenditure of the year	174,836.88		
	Bank charge	15.00		22-July.-16
3	BALANCE	148.12		

3.2 Balance Sheet

Balance Sheet (B/S)**Project Number:** 010/2016**Reporting Period:****May-December 2016****Project Title:** Domestication of Endangered, Endemic and Threatened Plant
Species in Disturbed Terrestrial Ecosystem in Malaysia and Thailand**B/S Number:**

Component		Approved Budget	Expenditures to Date			Available Funds
		(A)	Committed (B)	Paid	Total	(E = A - D)
				(C)	(D = B + C)	
Funds received						
I.	Total AFoCo funds received by the reporting period					
Expenditures by Implementing Country						
A.	(Output 1)					
A.1.	Selection of planting sites in denuded and disturbed forest, and identification of EETS for domestication	13,500.00	3,329.31	10170.69	13,500.00	-
A.2.	Procurement of EETS	46,530.00	-	46529.72	46,529.72	0.28
A3	Establishment of Model plots (Site preparation, planting stock, planting, tending, monitoring)	44,200.00	17,989.14	26210.86	44,200.00	-
A4	Documentation of biophysical site properties, planting techniques and assessment of growth	19,225.00	12,722.98	6502.02	19,225.00	-
II.	Sub Total A	123,455.00	34,041.43	89413.28	123,454.72	0.28
C.	(Output 3)		-		-	-

C.1.	Cross visits (USD1700/person/trip TH, MY, IN,PH,SG)	15,300.00	-	15294.38	15,294.38	5.62
C.2.	Knowledge and technology transfer	3,250.00	3,019.66	230.34	3,250.00	-
VI.	Sub Total C	18,550.00	3,019.66	15524.72	18,544.38	5.62
D.	(Output 4)		-		-	-
D.1.	External Auditing		-	-	-	-
D.2.	Attending overseas meetings	2,740.00	-	2582.79	2,582.79	157.21
D.3.	Inception Meeting	3,430.00	-	3019.97	3,019.97	410.03
D4.	Annual report	900.00	900.00	0.00	900.00	-
D5.	Miscellaneous	16,100.00	2,291.29	13808.71	16,100.00	-
D6.	PSC Meeting	1,550.00	-	681.94	681.94	868.06
D7.	Stakeholder Meeting	8,275.00	2,214.77	4543.86	6,758.63	1,516.37
D8	PCC Meeting	-	-	2794.46	2,794.46	- 2,794.46
VII.	Sub Total D	32,995.00	5,406.06	5,406.06	32,837.79	157.21
F. Contingency/Other expenditure			-		-	-
	e.g. Bank charge	-	-	15.00	15.00	
VIII.	Sub Total F	-	-	15.00	15.00	-15.00
XII.	Total Funds Retained by AFoCo Secretariat:				-	-
GRAND TOTAL		175,000.00	42,467.15	132384.73	174,836.88	148.12

Note: Budget Components are those detailed in the Project Document.

- I. Committed expenditure (B): expenditures incurred during the reporting period, but not yet settled.
- II. Available funds (E) represent the unused budget and surplus budget combined.

- III. Any contingency expenditures including bank charge should be listed under Component F and reflected underneath "Cash Out" of Statement Cash Flow.

3.3 Statement of Expenditures (see Appendix**)

Statement of Expenditure (SOE)

Project Number:

010/2016

Reporting Period : May–December 2016

Project Title: Domestication of Endangered, Endemic and Threatened
Plant Species in Disturbed Terrestrial Ecosystem in Malaysia and
Thailand

SOE Number:

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
1	11-Aug-16	air fare (Suwan Tangmitrhareon) round trip Don Muang-Lampang	D.3.1	10402.65	298.58	001/16
2	11-Aug-16	Ribbon	D.3.9	75	2.15	002/16
3	22-Aug-16	Meeting materials	D.3.9	596	17.11	003/16
4	23-Aug-16	air fare (Suchat Kullayawongsa) Don Muang-Lampang	D.3.1	3099	88.95	004/16
5	23-Aug-16	air fare (Suchat Kullayawongsa) Lampang-Suwannaphumee	D.3.1	2440	70.03	005/16
6	23-Aug-16	Hat	D.3.9	660	18.94	006/16
7	23-Aug-16	Suovenier	D.3.9	900	25.83	007/16
8	24-Aug-16	Drink	D.3.5	284	8.15	008/16
9	24-Aug-16	Dinner	D.3.9	7100	203.79	009/16
10	24-Aug-16	A4 paper	D.3.9	598	17.16	010/16
11	24-Aug-16	Meeting materials	D.3.9	2220	63.72	011/16
12	24-Aug-16	Rain coat	D.3.9	300	8.61	012/16
13	25-Aug-16	Coffee break	D.3.5	1100	31.57	013/16
14	25-Aug-16	Lunch	D.3.6	3400	97.59	014/16
15	25-Aug-16	petrol	D.3.10	870	24.97	015/16
16	26-Aug-16	accommodation	D.3.2	11800	338.69	016/16
17	26-Aug-16	Meeting room	D.3.4	8000	229.62	017/16
18	26-Aug-16	Food and Coffee break	D.3.6	5250	150.69	018/16
19	26-Aug-16	Dinner	D.3.8	12500	358.78	019/16
20	26-Aug-16	Van rent	D.3.10	10452	300.00	020/16
21	29-Aug-16	taxi round trip Home to airport (Suwan Tangmitrhareon)	D.3.1	700	20.09	021/16
22	29-Aug-16	taxi round trip Home to airport (Suchat Kullayawongsa)	D.3.1	520	14.93	022/16
23	29-Aug-16	DSA (Suchat Kullayawongsa)	D.3.3	3658.2	105.00	023/16
24	29-Aug-16	DSA (Chumnun Piananurak)	D.3.3	3658.2	105.00	024/16
25	29-Aug-16	DSA (Suwan Tangmitrhareon)	D.3.3	3658.2	105.00	025/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
26	29-Aug-16	DSA (Rabieb Srigongphan)	D.3.3	3658.2	105.00	026/16
27	29-Aug-16	DSA (Prasit Piananurak)	D.3.3	3658.2	105.00	027/16
28	29-Aug-16	DSA (Kamol Wisupakan)	D.3.3	3658.2	105.00	028/16
29	1-Sep-16	August coordinator salary (Kamol Wisupakan)	D.5.4	26130	750.00	029/16
30	12-Sep-16	air fare (Phuangphan Yongratana)	A.2.4	1732.1	49.72	030/16
31	22-Sep-16	petrol office car number พน 3123 กทม.	A.3.7	880	25.26	031/16
32	23-Sep-16	petrol office car number ข 6621 ลำปาง	A.3.7	1680	48.22	032/16
33	24-Sep-16	petrol office car number พน 3123 กทม.	A.3.7	1150	33.01	033/16
34	26-Sep-16	DSA (Prasit Piananurak)	A.3.5	7316.4	210.00	034/16
35	26-Sep-16	DSA (Sutud Tapanyo)	A.3.5	7316.4	210.00	035/16
36	26-Sep-16	DSA (Lamduan Junmoon)	A.3.5	7316.4	210.00	036/16
37	26-Sep-16	DSA (Somphet Tesa)	A.3.5	7316.4	210.00	037/16
38	26-Sep-16	petrol office car number พน 3123 กทม.	A.3.7	970	27.84	038/16
39	26-Sep-16	DSA (Chumnun Piananurak)	A.3.5	7316.4	210.00	039/16
40	26-Sep-16	DSA (Wattachai Sua)	A.3.5	7316.4	210.00	040/16
41	26-Sep-16	DSA (Chanon Kannika)	A.3.5	7316.4	210.00	041/16
42	26-Sep-16	DSA (Chaiwut Kuankit)	A.3.5	7316.4	210.00	042/16
43	26-Sep-16	petrol office car number ข 6621 ลำปาง	A.3.7	1320	37.89	043/16
44	26-Sep-16	DSA (Phuangphan Yongratana)	A.2.2	3658.2	105.00	044/16
45	27-Sep-16	taxi Home to Don Muang airport (Phuangphan Yongratana)	A.2.4	205	5.88	045/16
46	27-Sep-16	taxi Suratthani airport to Hotel (Phuangphan Yongratana)	A.2.4	485	13.92	046/16
47	29-Sep-16	Accommodation (Phuangphan Yongratana)	A.2.3	1100	31.57	047/16
48	29-Sep-16	taxi Hotel to Suratthani airport (Phuangphan Yongratana)	A.2.4	500	14.35	048/16
49	29-Sep-16	taxi Don Muang airport to Home(Phuangphan Yongratana)	A.2.4	235	6.75	049/16
50	29-Sep-16	taxi Morchit bus station to RFD	A.4.8	131	3.76	050/16
51	29-Sep-16	bus fare Lampang-Bangkok	A.4.8	753	21.61	051/16
52	30-Sep-16	High resolution digital camera	A.4.5	27820	798.51	052/16
53	30-Sep-16	office supplies (cabinets, mobile amplifiers and microphones, paper etc.)	D.5.1	22800	654.42	053/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
54	30-Sep-16	DSA(Chumnun Piananurak)	A.4.6	2438.8	70.00	054/16
55	30-Sep-16	taxi RFD to Morchit bus station (Chumnun Piananurak)	A.4.8	133	3.82	055/16
56	30-Sep-16	bus fare Bangkok-Lampang (Chumnun Piananurak)	A.4.8	753	21.61	056/16
57	3-Oct-16	Vetica diospyroides, Neobalanocarpus heimii and Cotylelobium lanceolatum seedlings	A.2.1	849250	24375.72	057/16
58	3-Oct-16	medium preparation	A.3.4	54000	1549.94	058/16
59	3-Oct-16	Compost and surface soil	A.3.4	99000	2841.56	059/16
60	3-Oct-16	Coconut husk, rice husk ash, salan and rice sack	A.3.4	94300	2706.66	060/16
61	3-Oct-16	Fencing (concrete post, barbed wire, clip, cement, coarse sand, 3/4 " stone, iron plate)	A.3.3	100115	2873.56	061/16
62	3-Oct-16	Planting hole preparation (staking, digging, Drilling)	A.3.4	81000	2324.91	062/16
63	3-Oct-16	September coordinator salary (Kamol Wisupakan)	D.5.4	52260	1500.00	063/16
64	4-Oct-16	petrol office car number พน 3123 กทม.	A.3.7	890	25.55	064/16
65	4-Oct-16	petrol office car number ฐ-6621 ลำปาง	A.3.7	1280	36.74	065/16
66	6-Oct-16	air fare (Suwan Tangmitrchareon)	D.2.1	15910	456.66	066/16
67	6-Oct-16	petrol office car number พน 3123 กทม.	A.3.7	1160	33.30	067/16
68	7-Oct-16	petrol office car number ฐ-6621 ลำปาง	A.3.7	1520	43.63	068/16
69	8-Oct-16	petrol office car number พน 3123 กทม.	A.3.7	1100	31.57	069/16
70	10-Oct-16	petrol office car number พน 3123 กทม.	A.3.7	970	27.84	070/16
71	10-Oct-16	petrol office car number ฐ-6621 ลำปาง	A.3.7	1130	32.43	071/16
72	12-Oct-16	DSA (Prasit Piananurak)	A.3.5	9755.2	280.00	072/16
73	12-Oct-16	DSA (Sutud Tapanyo)	A.3.5	9755.2	280.00	073/16
74	12-Oct-16	DSA (Lamduan Junmoon)	A.3.5	9755.2	280.00	074/16
75	12-Oct-16	DSA (Somphet Tesa)	A.3.5	9755.2	280.00	075/16
76	12-Oct-16	DSA (Chumnun Piananurak)	A.3.5	9755.2	280.00	076/16
77	12-Oct-16	DSA (Wattachai Sua)	A.3.5	9755.2	280.00	077/16
78	12-Oct-16	DSA (Chanon Kannika)	A.3.5	9755.2	280.00	078/16
79	12-Oct-16	DSA (Chaiwut Kuankit)	A.3.5	9755.2	280.00	079/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
80	14-Oct-16	2 mobile phones (Samsung Galaxy S7 edge)	D.5	57600	1653.27	080/16
81	17-Oct-16	air fare (Chumnun Piananurak)	D.6.1	5345	153.42	081/16
82	18-Oct-16	notebooks, inkjet printer, projector, ink, and mobile amplifier	D.5	147446	4232.09	082/16
83	18-Oct-16	Dalbergia cochinchinensis, Dalbergia oliveri and Aquilaria crassna seedlings	A.2.1	709930	20376.87	083/16
84	18-Oct-16	Banana shoots	A.2.1	54000	1549.94	084/16
85	18-Oct-16	Fence building	A.3.3	44069	1264.90	085/16
86	18-Oct-16	Poster printing	D.6.8	600	17.22	086/16
87	19-Oct-16	petrol office car number 2๓๗ 2370	A.3.7	1450	41.62	087/16
88	19-Oct-16	Meeting document	D.6.8	3400	97.59	088/16
89	20-Oct-16	Banana planting	A.3.4	90000	2583.24	089/16
90	20-Oct-16	Lunch	D.6.6	7525	215.99	090/16
91	20-Oct-16	Coffee break	D.6.5	2250	64.58	091/16
92	20-Oct-16	DSA (Chumnun Piananurak)	D.6.3	2438.8	70.00	092/16
93	21-Oct-16	IUFRO registration Fee (Suwan Tangmitrcharoen)	D.2	19789.12	568.00	093/16
94	21-Oct-16	Accommodation (Chumnun Piananurak)	D.6.2	2200	63.15	094/16
95	22-Oct-16	DSA (Suwan Tangmitrcharoen)	D.2.3	25607.4	735.00	095/16
96	22-Oct-16	taxi Home to Suwannaphumee airport	D.2.1	349	10.02	096/16
97	22-Oct-16	taxi Beijing airport to Beijing Continental Grand Hotel	D.2.1	529.24	15.19	097/16
98	22-Oct-16	express toll	D.2.1	54.9	1.58	098/16
99	23-Oct-16	taxi Beijing Continental Grand Hotel to Convention Center	D.2.1	71.37	2.05	099/16
100	23-Oct-16	taxi Convention Center to Beijing Continental Grand Hotel	D.2.1	71.37	2.05	100/16
101	24-Oct-16	taxi Beijing Continental Grand Hotel to Convention Center	D.2.1	71.37	2.05	101/16
102	24-Oct-16	taxi Convention Center to Beijing Continental Grand Hotel	D.2.1	128.47	3.69	102/16
103	25-Oct-16	taxi Beijing Continental Grand Hotel to Convention Center	D.2.1	71.37	2.05	103/16
104	25-Oct-16	taxi Convention Center to Beijing Continental Grand Hotel	D.2.1	71.37	2.05	104/16
105	25-Oct-16	petrol office car number 2๓๗ 2370	A.1.6	1350	38.75	105/16
106	25-Oct-16	petrol office car number 2๓๗ 2370	A.1.6	1760	50.52	106/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
107	26-Oct-16	taxiBeijing Continental Grand Hotel to Convention Center	D.2.1	71.37	2.05	107/16
108	26-Oct-16	taxiConvention Center to Beijing Continental Grand Hotel	D.2.1	71.37	2.05	108/16
109	26-Oct-16	Accommodation (Chumnun Piananurak)	A.1.5	1100	31.57	109/16
110	26-Oct-16	petrol office car number 2กน 2370 กทม.	A.1.6	1460	41.91	110/16
111	26-Oct-16	petrol office car number สน 8560 กทม.*	A.1.6	1943	55.77	111/16
112	27-Oct-16	Accommodation (Somboon Boonyuen) 26/10/59-27/10/59	A.1.5	600	17.22	112/16
113	27-Oct-16	Accommodation (Saroj Wattanasuksakul) 26/10/59-27/10/59	A.1.5	600	17.22	113/16
114	27-Oct-16	Accommodation (Prasit Piananurak) 26/10/59-27/10/59	A.1.5	600	17.22	114/16
115	27-Oct-16	Accommodation (Phuangphan Yongratana) 26/10/59-27/10/59	A.1.5	600	17.22	115/16
116	27-Oct-16	taxiBeijing Continental Grand Hotel to Convention Center	D.2.1	71.37	2.05	116/16
117	28-Oct-16	taxiจาก CAF to Beijing Airport	D.2.1	1640	47.07	117/16
118	28-Oct-16	taxi Suwannaphume airport to Home	D.2.1	371	10.65	118/16
119	28-Oct-16	Van rental number 30-6638 ภูเก็ต	A.1.6	8000	229.62	119/16
120	28-Oct-16	Accommodation (Somboon Boonyuen) 27/10/59-28/10/59	A.1.5	1200	34.44	120/16
121	28-Oct-16	Accommodation (Chumnun Piananurak) 27/10/59-28/10/59	A.1.5	1200	34.44	121/16
122	28-Oct-16	Accommodation (Saroj Wattanasuksakul) 27/10/59-28/10/59	A.1.5	1200	34.44	122/16
123	28-Oct-16	Accommodation (Phuangphan Yongratana) 27/10/59-28/10/59	A.1.5	1200	34.44	123/16
124	28-Oct-16	Accommodation (Somboon Boonyuen) 28/10/59-29/10/59	A.1.5	1200	34.44	124/16
125	28-Oct-16	Accommodation (Chumnun Piananurak) 28/10/59-29/10/59	A.1.5	1500	43.05	125/16
126	28-Oct-16	Accommodation (Saroj Wattanasuksakul) 28/10/59-29/10/59	A.1.5	1200	34.44	126/16
127	28-Oct-16	Accommodation (Phuangphan Yongratana) 28/10/59-29/10/59	A.1.5	1200	34.44	127/16
128	28-Oct-16	DSA (Somchai Nongnuang)	A.4.6	4877.6	140.00	128/16
129	28-Oct-16	DSA (Intharat Inloa)	A.4.6	4877.6	140.00	129/16
130	28-Oct-16	Private car (Somchai Nongnuang) (4 baht/km.) กว-8607 เชียงใหม่	A.4.8	2690	77.21	130/16
131	28-Oct-16	Accommodation (Suwan Tangmitrcharoen)	D.2.2	25034.4	718.55	131/16
132	29-Oct-16	petrol office car number สน 8560 กทม	A.1.6	1700	48.79	132/16
133	29-Oct-16	DSA (Somboon Boonyuen)	A.1.4	4877.6	140.00	133/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
134	29-Oct-16	DSA (Phuangphan Yongratana)	A.1.4	4877.6	140.00	134/16
135	29-Oct-16	petrol office car number 2๗๓ 2370 กทพ.	A.1.6	1600	45.92	135/16
136	30-Oct-16	petrol office car number 2๗๓ 2370 กทพ.	A.1.6	1450	41.62	136/16
137	30-Oct-16	petrol office car number 2๗๓ 2370 กทพ.	A.1.6	1120	32.15	137/16
138	30-Oct-16	DSA (Chumnun Piananurak)	A.1.4	7316.4	210.00	138/16
139	30-Oct-16	DSA (Prasit Piananurak)	A.1.4	7316.4	210.00	139/16
140	30-Oct-16	DSA (Saroj Wattanasuksakul)	A.1.4	7316.4	210.00	140/16
141	30-Oct-16	Accommodation (Chumnun Piananurak)	A.1.5	1200	34.44	141/16
142	2-Nov-16	air fare round trip Chiangrai to Bangkok (Chumnun Piananurak)	C.1.1	3870.9	111.11	142/16
143	2-Nov-16	Olympus digital camera with accessory	D.5	39363	1129.82	143/16
144	7-Nov-16	petrol office car number ๙๗ 8560 กทพ.	A.3.7	1400	40.18	144/16
145	7-Nov-16	October coordinator salary (Kamol Wisupakan)	D.5.4	52260	1500.00	145/16
146	7-Nov-16	leaflet	C.2.2	8025	230.34	146/16
147	7-Nov-16	DSA (Saroj Wattanasuksakul)	A.3.5	2438.8	70.00	147/16
148	9-Nov-16	petrol office car number ๙๗ 8560 กทพ.	A.3.7	1730	49.66	148/16
149	9-Nov-16	Accommodation 3 rooms 6 nights (5 person (Suwan Tangmitrchareon))	C.1.2	48794.94	1400.54	149/16
150	10-Nov-16	GPS mapping of existing plants	A.1.2	100000	2870.26	150/16
151	10-Nov-16	GPS mapping of plot boundary	A.1.2	100000	2870.26	151/16
152	10-Nov-16	medium transportation and planting EETS	A.3.4	79500	2281.86	152/16
153	11-Nov-16	Private car (Somchai Nongnuang) (4 Baht/km.) ก๙-8607 เชียงใหม่	A.4.8	4928	141.45	153/16
154	11-Nov-16	DSA (Somchai Nongnuang)	A.4.6	4877.6	140.00	154/16
155	11-Nov-16	DSA (Intharat Inloa)	A.4.6	4877.6	140.00	155/16
156	13-Nov-16	DSA (Chumnun Piananurak) 2 days in Thailand	C.1.3	2438.8	70.00	156/16
157	14-Nov-16	Accommodation (Chumnun Piananurak)	C.1.2	1100	31.57	157/16
158	14-Nov-16	DSA (Chumnun Piananurak)	C.1.3	25607.4	735.00	158/16
159	14-Nov-16	DSA (Suwan Tangmitrchareon)	C.1.3	25607.4	735.00	159/16
160	14-Nov-16	DSA (Phuangphan Yongratana)	C.1.3	25607.4	735.00	160/16
161	14-Nov-16	DSA (Saroj Wattanasuksakul)	C.1.3	25607.4	735.00	161/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
162	14-Nov-16	DSA (Somboon Boonyuen)	C.1.3	25607.4	735.00	162/16
163	14-Nov-16	Temp-Humid Datalogger	A.4.2	23968	687.94	163/16
164	20-Nov-16	air fare Bangkok-Malaysia-Bangkok (5 person)	C.1.1	20838	598.11	164/16
165	21-Nov-16	Accommodation (Chumnun Piananurak)	C.1.2	1100	31.57	165/16
166	22-Nov-16	DSA (Somboon Boonyuen) (7-11 NOV.59)	A.3.5	6097	175.00	166/16
167	22-Nov-16	DSA (Phayungsak Kanchanalerd) (7-11 NOV.59)	A.3.5	6097	175.00	167/16
168	23-Nov-16	Mobile phone (Samsung Galaxy S7 Edge)	D.5	28800	826.64	168/16
169	24-Nov-16	petrol office car number สน 8560 กทม.	A.3.7	1340	38.46	169/16
170	25-Nov-16	High resolution digital camera Cannon EOS M10 (Phangnga)	A.4	20844.3	598.29	170/16
171	25-Nov-16	petrol office car number สน 8560 กทม.	A.3.7	1677	48.13	171/16
172	25-Nov-16	Private car (Somchai Nongnuang) (4 Baht/km.) กว-8607 เชียงใหม่	A.4.8	4928	141.45	172/16
173	25-Nov-16	DSA (Somchai Nongnuang)	A.4.6	4877.6	140.00	173/16
174	25-Nov-16	DSA (Intharat Inloa)	A.4.6	4877.6	140.00	174/16
175	25-Nov-16	DSA (Sithichai Unjai)	A.4.6	4877.6	140.00	175/16
176	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Thiti Visaratana)	C.1.1	7010	201.21	176/16
177	25-Nov-16	Coupon Base Fare (Thiti Visaratana)	C.1.1	100	2.87	177/16
178	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Apirak daharanonda)	C.1.1	7010	201.21	178/16
179	25-Nov-16	Coupon Base Fare (Apirak daharanonda)	C.1.1	100	2.87	179/16
180	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Kongsak Meekaew)	C.1.1	7010	201.21	180/16
181	25-Nov-16	Coupon Base Fare (Kongsak Meekaew)	C.1.1	100	2.87	181/16
182	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Saruntorn Sukwatnijakul)	C.1.1	7010	201.21	182/16
183	25-Nov-16	Coupon Base Fare(Saruntorn Sukwatnijakul)	C.1.1	100	2.87	183/16
184	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Prasit Piananurak)	C.11	7010	201.21	184/16
185	25-Nov-16	Coupon Base Fare(Prasit Piananurak)	C.1.1	100	2.87	185/16
186	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Somchai Nongnuang)	C.1.1	7010	201.21	186/16
187	25-Nov-16	Coupon Base Fare (Somchai Nongnuang)	C.1.1	100	2.87	187/16
188	25-Nov-16	Air fareBangkok-Singapore-Bangkok (Chumnun Piananurak)	C.1.1	7510	215.56	188/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
189	25-Nov-16	Coupon Base Fare (Chumnun Piananurak)	C.1.1	100	2.87	189/16
190	25-Nov-16	Air fare Bangkok-Singapore-Bangkok (Phuangphan Yongrattana)	C.1.1	7510	215.56	190/16
191	25-Nov-16	Coupon Base Fare (Phuangphan Yongrattana)	C.1.1	100	2.87	191/16
192	25-Nov-16	Accommodation 6 room	C.1.2	73007.61	2095.51	192/16
193	28-Nov-16	DSA (Somboon Boonyuen) (24-26 NOV.59)	A.3.5	3658.2	105.00	193/16
194	28-Nov-16	DSA (Phayungsak Kanchanalerd)	A.3.5	3658.2	105.00	194/16
195	28-Nov-16	DSA (Somnuk Unwaree)	A.3.5	3658.2	105.00	195/16
196	29-Nov-16	DSA (Somboon Boonyuen) (29 Nov- 2 Dec. 16)	A.3.5	4877.6	140.00	196/16
197	29-Nov-16	DSA (Phayungsak Kanchanalerd) (29 Nov- 2 Dec. 16)	A.3.5	4877.6	140.00	197/16
198	29-Nov-16	petrol office car number สบ 8560 กทม.	A.3.7	1630	46.79	198/16
199	30-Nov-16	Accommodation (Somboon Boonyuen and Phayungsak Kanchanalerd)	A.3.6	700	20.09	199/16
200	1-Dec-16	Accommodation (Somboon Boonyuen and Phayungsak Kanchanalerd)	A.3.6	600	17.22	200/16
201	1-Dec-16	Air fare Chiang Mai-Bangkok-Chiang Mai (Chumnun Piananurak)	C.1.1	3050	87.54	201/16
202	1-Dec-16	Air fare Chiang Mai-Bangkok-Chiang Mai (Prasit Piananurak)	C.1.1	3050	87.54	202/16
203	1-Dec-16	Air fare Chiang Mai-Bangkok-Chiang Mai (Somchai Nongnuang)	C.1.1	3050	87.54	203/16
204	2-Dec-16	petrol office car number สบ 8560 กทม.	A.3.7	1800	51.66	204/16
205	2-Dec-16	Soil sampling (Somchai Nongnuang)	A.4.2	102400	2939.15	205/16
206	2-Dec-16	November coordinator salary (NOV.59)(Kamol Wisupakan)	D.5.4	52260	1500.00	206/16
207	2-Dec-16	Accommodation (Pralong Dumrongthai)	A.1.5	1600	45.92	207/16
208	2-Dec-16	air fare (Pralong Dumrongthai)	A.1.6	3610	103.62	208/16
209	2-Dec-16	air fare (Pralong Dumrongthai)	A.1.6	2970	85.25	209/16
210	2-Dec-16	taxi RFD to Don Muang airport (Pralong Dumrongthai)	A.1.6	115	3.30	210/16
211	3-Dec-16	taxi Don Muang airport to Home (Pralong Dumrongthai)	A.1.6	145	4.16	211/16
212	5-Dec-16	DSA (Chumnun Piananurak in Thailand)	C.1.3	2438.8	70.00	212/16
213	5-Dec-16	DSA (Prasit Piananurak in Thailand)	C.1.3	2438.8	70.00	213/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
214	5-Dec-16	DSA (Somchai Nongnuang in Thailand)	C.1.3	2438.8	70.00	214/16
215	6-Dec-16	DSA (Thiti Visaratana)	C.1.3	18291	525.00	215/16
216	6-Dec-16	DSA (Apirak Daharanonda)	C.1.3	18291	525.00	216/16
217	6-Dec-16	DSA (Kongsak Meekaew)	C.1.3	18291	525.00	217/16
218	6-Dec-16	DSA (Chumnun Piananurak)	C.1.3	18291	525.00	218/16
219	6-Dec-16	DSA (Saruntorn Sukwatnijakul)	C.1.3	18291	525.00	219/16
220	6-Dec-16	DSA (Phuangphan Yongrattana)	C.1.3	18291	525.00	220/16
221	6-Dec-16	DSA (Prasit Piananurak)	C.1.3	18291	525.00	221/16
222	6-Dec-16	DSA (Somchai Nongnuang)	C.1.3	18291	525.00	222/16
223	6-Dec-16	Accommodation (Somchai Nongnuang)	C.1.2	1200	34.44	223/16
224	6-Dec-16	Accommodation (Chumnun Piananurak)	C.1.2	1200	34.44	224/16
225	6-Dec-16	Taxi from Home to Airport (Thiti Visaratana)	C.1.1	165	4.74	225/16
226	6-Dec-16	Taxi from Hotel to Airport (Chumnun Piananurak)	C.1.1	143	4.10	226/16
227	6-Dec-16	Taxi from Home to Airport (Saruntorn Sukwatnijakul)	C.1.1	221	6.34	227/16
228	6-Dec-16	Taxi from Home to Airport (Kongsak Meekaew)	C.1.1	151	4.33	228/16
229	6-Dec-16	Taxi from Home to Airport (Phuangphan Yongrattana)	C.1.1	209	6.00	229/16
230	6-Dec-16	Taxi from Hotel to Airport (Prasit Piananurak)	C.1.1	145	4.16	230/16
231	6-Dec-16	Taxi from Hotel to Airport (Somchai Nongnuang)	C.1.1	139	3.99	231/16
232	6-Dec-16	Singapore Zoological Gardens Fee (8 persons)	C.1	12002.96	344.52	232/16
233	6-Dec-16	Train Sim card	C.1.1	2441.28	70.07	233/16
234	6-Dec-16	Taxi from V hotel Bencoolen Street to River Safari	C.1.1	399.25	11.46	234/16
235	6-Dec-16	Taxi from V hotel Bencoolen Street to River Safari	C.1.1	544.2	15.62	235/16
236	6-Dec-16	Taxi from River Safari to V hotel Bencoolen Street	C.1.1	485.71	13.94	236/16
237	6-Dec-16	Taxi from River Safari to V hotel Bencoolen Street	C.1.1	450.37	12.93	237/16
238	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	238/16
239	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	239/16
240	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	240/16
241	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	241/16
242	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	242/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
243	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	243/16
244	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	244/16
245	7-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	245/16
246	8-Dec-16	Gardens by the Bay Fee (8 persons)	C.1	5696.32	163.50	246/16
247	9-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	247/16
248	9-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	248/16
249	9-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	249/16
250	10-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	250/16
251	10-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	251/16
252	10-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	252/16
253	10-Dec-16	Train Sim card Cash Insert	C.1.1	254.3	7.30	253/16
254	10-Dec-16	Taxi from Airport to Home (Thiti Visaratana)	C.1.1	155	4.45	254/16
255	10-Dec-16	Taxi from Airport to Hotel (Chumnun Piananurak)	C.1.1	147	4.22	255/16
256	10-Dec-16	Taxi from Airport to Home (Saruntorn Sukwatnijakul)	C.1.1	205	5.88	256/16
257	10-Dec-16	Taxi from Airport to Home t (Kongsak Meekaew)	C.1.1	149	4.28	257/16
258	10-Dec-16	Taxi from Airport to Home (Phuangphan Yongrattana)	C.1.1	235	6.75	258/16
259	10-Dec-16	Taxi from Airport to Hotel (Prasit Piananurak)	C.1.1	149	4.28	259/16
260	10-Dec-16	Taxi from Airport to Hotel (Somchai Nongnuang)	C.1.1	147	4.22	260/16
261	11-Dec-16	Accommodation (Chumnun Piananurak)	C.1.2	1200	34.44	261/16
262	11-Dec-16	Accommodation (Somchai Nongnuang)	C.1.2	1200	34.44	262/16
263	13-Dec-16	Plot sign (Somchai Nongnuang)	A.3	65000	1865.67	263/16
264	14-Dec-16	DSA (Pralong Dumrongthai)	A.1.4	1219.4	35.00	264/16
265	17-Dec-16	petrol office car number พน 3123 กทณ.	A.3.7	860	24.68	265/16
266	18-Dec-16	petrol office car number พน 3123 กทณ.	A.3.7	1120	32.15	266/16
267	18-Dec-16	petrol office car number พ 6621 สี่ปราง	A.3.7	1930	55.40	267/16
268	19-Dec-16	GPS mapping of soil (Chumnun Piananurak)	A.1.2	78000	2238.81	268/16
269	19-Dec-16	Air fare Incheon intl (Korea) - Chiang mai Chiang mai - Incheon intl (Korea) (Kim Jimyung)	D.3 D.6 D.7	27175.2	780.00	269/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
270	20-Dec-16	Air fare Bangkok-Lampang Lampang-Bangkok (Phuangphan Yongrattana)	D.7.1	4430.11	127.16	270/16
271	20-Dec-16	Air fare Bangkok-Lampang Lampang-Bangkok (Suwan Tangmitcharoen)	D.3 D.6 D.7	3979.9	114.23	271/16
272	20-Dec-16	Postage	D.7.8	1568	45.01	272/16
273	23-Dec-16	petrol office car number ๖ 6621 สำนักงาน	A.3.7	1770	50.80	273/16
274	23-Dec-16	petrol office car number ๖๖๖ 3123 กทม.	A.3.7	1240	35.59	274/16
275	23-Dec-16	DSA (Phuangphan Yongrattana)	D.3 D.6 D.7	4877.6	140.00	275/16
276	23-Dec-16	Air fare Bangkok-Lampang Lampang-Bangkok (Sapol Boonsermsuk)	D.3 D.6 D.7	5430	155.86	276/16
277	24-Dec-16	petrol office car number ๖๖๖ 3123 กทม.	A.3.7	970	27.84	277/16
278	25-Dec-16	DSA (Chumnun Piananurak)	D.7.3	2438.8	70.00	278/16
279	25-Dec-16	DSA (Wattachai Suya)	D.7.3	2438.8	70.00	279/16
280	25-Dec-16	DSA (Prasit Piananurak)	D.7.3	2438.8	70.00	280/16
281	25-Dec-16	DSA (Pajaree Wongwachimaphet)	D.7.3	3658.2	105.00	281/16
282	25-Dec-16	DSA (Uchukorn Phimsin)	D.7.3	3658.2	105.00	282/16
283	25-Dec-16	Accommodation (Phuangphan Yongrattana,Pajaree Wongwachimaphet,Uchukorn Phimsin)	D.7.2	6540	187.72	283/16
284	25-Dec-16	Meeting materials	D.7.8	3322	95.35	284/16
285	25-Dec-16	Vinyl banner	D.7.8	1300	37.31	285/16
286	25-Dec-16	Post-it® Page markers	D.7.8	330	9.47	286/16
287	26-Dec-16	Coffee break	D.7.5	11300	324.34	287/16
288	26-Dec-16	Drinking water and Ice	D.7.5	1600	45.92	288/16
289	26-Dec-16	Lunch	D.7.6	21400	614.24	289/16
290	26-Dec-16	Dinner	D.7.7	82925	2380.17	290/16
291	26-Dec-16	Accommodation (Suwan Tangmitcharoen)	D.3 D.6 D.7	1090	31.29	291/16
292	27-Dec-16	Van rental number ๖๖ 7890 กทม.	D.7.1	8960	257.18	292/16
293	27-Dec-16	DSA (Sapol Boonsermsuk)	D.3 D.6 D.7	2438.8	70.00	293/16
294	27-Dec-16	DSA (Chumnun Piananurak)	D.3 D.6 D.7	3658.2	105.00	294/16
295	27-Dec-16	DSA (Suwan Tangmitcharoen)	D.3 D.6 D.7	3658.2	105.00	295/16

Serial No.	Date	Description	Activity Reference	Amount (local currency)	Amount (USD equivalent)	Reference Number (Voucher no./Project No./Year of expenditure)
296	27-Dec-16	DSA (Phuangphan Yongrattana)	D.3 D.6 D.7	3658.2	105.00	296/16
297	27-Dec-16	DSA (Prasit Piananurak)	D.3 D.6 D.7	3658.2	105.00	297/16
298	27-Dec-16	DSA (Kim Jimyung)	D.3 D.6 D.7	10974.6	315.00	298/16
299	27-Dec-16	Files	D.3 D.6 D.7	360	10.33	299/16
300	28-Dec-16	Accommodation (Kim Jimyung)	D.3 D.6 D.7	550	15.79	300/16
301	29-Dec-16	Accommodation (Chumnun Piananurak, Prasit Piananurak, Suwan Tangmitcharoen, Phuangphan Yongrattana, Sapol Boonsermsuk)	D.3 D.6 D.7	4800	137.77	301/16
302	29-Dec-16	Accommodation (Kim Jimyung)	D.3 D.6 D.7	600	17.22	302/16
303	29-Dec-16	Accommodation (Somchai Nongnuang)	A.4.7	600	17.22	303/16
304	29-Dec-16	Coffee break	D.3 D.6 D.7	2000	57.41	304/16
305	29-Dec-16	Lunch and Dinner	D.3 D.6 D.7	11750	337.26	305/16
306	29-Dec-16	Van rental number ๗๗ 4999 ลำปาง	D.3 D.6 D.7	6700	192.31	306/16
307	31-Dec-16	Phone cost (0819257119)	D.5.2	880.04	25.26	307/16
308	31-Dec-16	Phone cost (0632715998)	D.5.2	648.21	18.61	308/16
309	31-Dec-16	Phone cost (0982516991)	D.5.2	648.21	18.61	309/16
310	22-Jul-16	bank Charge	F	522.6	15.00	310/16

[Name]
 Account
 Officer

[Name]
 Project Manager

3.4 Copy of the receipt. See attached file.

Supplementary Funding (*country in-kind contribution*)

Description	Amount (USD)
2 trips from Lampang to Phadang zinc mine of 2 officers using office car ๗๗ 3123 for site selection activity (prior to BWP approval)	155
3 trips from Songkhla province to Takuapa ex-tin mine of 2 officers using office car for site selection activity.(prior to staff appointment order)	250
2 trips from Ngao to Maemoh of 2 officers using office car for site selection activity	100
Office car ๗๗ 3123 ๗๗ 8 days	1,000

Description	Amount (USD)
Office car ข 6621 ลำปาง 8 days	1,000
Office car 2คน 2370 กทม 8 days	690
Office car สน 8560 กทม 12 days	1,000
Private car กร 8607 เชียงใหม่ 12 days	1000
Watering truck 83-9051 นครราชสีมา	2,200
Office 6 wheels trucks 80-8543 ลำปาง and 80-7695 พะเยา	4,000
Office space at RFD	2,000
Office at Northern Seed Center, Ngao Lampang	1,000
Planting area 3 ha at Mae moh mine, 0.5 ha at Takuapa	50,000
Electricity	1,000
Water supply for offices and planting sites	3,500
Telephone and internet for 20 officers	300
Salary for 20 officers for 4 months	120,000
Meeting rooms for 1 st and 2 nd psc meeting at RFD head quarter	200
Meeting rooms for stake holder meeting at EGAT 1 day (contribute by EGAT)	1,000
Meeting room for PCC meeting at EGAT 2 days (contribute by EGAT)	200
3 buses and many car for takingrticipants to sign board during stake holder meeting (contribute by EGAT)	900
CAT Motor Grader 2 days (clearing land for opening sign board ceremony) (contribute by EGAT)	500
Tents and chairs sounds system at the sign Board opening ceremony (contribute by EGAT)	500
50% discount for accommodation at EGAT during 2nd PCC meeting for 17 rooms	293
Consultancy for implementation by EGAT staffs	500
Total	193,288

4. Issues & Lessons Learned

(To elaborate on any issue encountered and lesson learned within the reporting period. To include quantification of any advance or delay in implementing the Activities and causes and anticipated effects thereof.)

The WBP was drafted based on the data at Phadang ex-zinc mine site. When the site was changed to Mae Moh lignite mine, the plan needed to be adapted. Many things such as working team, jobs, activities, number of people had to be increased to suit the new site. It became more complicated when an extra site at Takuapa was added.

Acquiring some EETS seedlings in such a short period of time was a challenge. In the case of *Cotylelobium lanceolatum* and *Dalbergia oliveri* seedlings, the biggest sizes available in the market were less than 50 cm height.

Planting trees at the end of rainy season is one of the big challenges. In order to get the seedlings planted and established before rainy season ends, all tasks must be well-planned and managed. The planting holes and planting medium were specially prepared for this situation. Teamwork is very important to get thing done simultaneously.

The Mae Moh site is located in a remote area. There is a risk to install irrigation system, therefore watering is carried out manually at Mae Moh site. Manual irrigation may not be very effective if inspection is not done thoroughly. The technique of installing irrigation

system was observed at Takuapa site.

Planting banana as nursing trees is a good idea but not a good practice. At the end of rainy season, there was an outbreak of insect that attacked the bananas. Almost all planted bananas were infested by larvae, and the plants rotted.

Due to the nature of rainforest species such as *Vatica diospyroides*, *Neobalanocarpus heimii*, *Aquilaria crassna* and *Cotylelobium lanceolatum* which need more shade and soil moisture content during their establishment, installation of artificial shade above the newly planted seedlings is required to prevent the damage from direct sunlight exposure during dry season.

After attending a workshop at FRIM and field trip to Bidor, Thai participants learned that to plant trees in problematic areas, one needs to do it with great commitment, have far vision and imagination of better future. For technical aspect, we learned that in problematic soils such as dumping site, swamp, sea shore and ex-tin mine, consideration on species-site matching is of first priority followed by improvement of the surrounding environment to suit the plants such as changing new soil, draining excess water and providing wave breakwater.

5. Conclusion and Recommendation

(To provide the conclusion reached on the state of project implementation, based on the analyses made above. To also recommend any corrective actions or adjustment necessary for the achievement of the project's objectives.)

Thailand selected 2 project sites at Mae Moh lignite mine at Lampang and Takuapa ex-tin mine at Phangnga. The sites cover the area of 3 ha and 0.5 ha at Mae Moh and Takuapa -Pa, respectively. GPS mapping of the Mae Moh mine was completed while mapping for the Takuapa site is still being carried out. 6 EETS namely *Dalbergia cochinchinensis*, *Dalbergia oliveri*, *Aquilaria crassna*, *Vatica diospyroides*, *Neobalanocarpus heimii*, and *Cotylelobium lanceolatum* were planted at Mae Moh site while the last 4 EETS were planted at Takuapa site. Highly intensive preparation was applied at both sites. Planting holes measuring 50x50x50 cm³ and 1x1x1 m³ was employed at Mae Moh and Takuapa, respectively. Loosening of the soil in the hole, at least 30 cm deep, was done at Mae Moh. At Takuapa, 2 m wide strips of surrounding soil was loosen by backhoe to a depth of 1.5 m. Tending of plants at the two sites were carried differently due to the different of soil, situation and climate conditions. At Mae Moh, the plot is located in a dry and remote area but where cattle roam freely. Therefore, manual watering, fencing, plant mulching and shading were applied. At Takuapa, the plot is located in a monsoon area with very high rainfall per year and with 4 months of dry period. The land is under supervision of KU staffs, it is a non-trespassing area and the EETS were planted under existing trees. Therefore, drip irrigation can be installed while fencing, mulching and shading are not necessary. Due to the irregular soil properties at Mae Moh site, as many as 432 soil samples were collected for soil analysis while only 15 samples were collected at Takuapa, where less variations were observed. The plants at Mae Moh site need a lot of watering as they were planted at the end of rainy season. Some species need more shade while others need less. Some plants died especially *Aquilaria crassna* with more than 20% mortality rate. This species needs more shade and refilling will be carried out at the beginning of rainy season.

Cross visit to Malaysia and Singapore is an important activity where Thai participants had a good chance to observe and learn what other countries do. We can use the examples either by applying or adapting these experiences in our work and improving them accordingly.

6. Appendices

Appendix 1. Detailed Results of Key Activities

(To describe key activities implemented during the reporting period in detail with the use of graphical information, such as maps, tables and graphs.)

Detailed Results of Key Activities are reported in 12 Annexes as the following:

Annex I Over views of selected sites.

Annex II GPS maps at Mae Moh mine site.

Annex III Site Preparation and Tending.

Annex IV Existing Weeds.

Annex V Survival rate and Growth.

Annex VI Soil Sampling.

Annex VII Purchased equipment and office supplies.

Annex VIII Cross Visit Report.

Annex IX Attending Oversea Meeting Report.

Annex X Minutes of Inception Meeting

Annex XI Minutes of National PSC Meetings, and PCC Meetings.

Annex XII Report on Stakeholder Meeting.

Appendix 2. Finalized Annual Work and Budget Plan for forthcoming years

(To provide a final version of detailed Annual Work and Budget Plan for the forthcoming years endorsed by PSC/PCC, with clear indication on any modification made from the Project Document.)

Annual Work and Budget Plan for the 2017 endorsed by 2nd PCC meeting is shown in Table 4.1. Since the total budget was reduced from the Project Document (97,900 US\$ to 36,395 US\$) and the project site for Thailand had been changed from Phadang zinc mine to Mae Moh lignite mine and an extra area at Takuapa site was selected, budget plan needs to be modified as shows in Table 4.2.

(To include any other relevant documents as to support the report.)

Table 4.1 Budget Work Plan for the Year 2, 2017 For Thailand endorsed by 2nd PCC meeting

Activity No.	Activity Description	Unit	Unit cost (USD)	Qty	Year 2 (Jan-Dec.2017)				
					Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Thailand (2017)
A. Site Characterization					3,515	3,515	3,515	3,515	14,060
Activity A.3	Establishment of Model Plots (3ha)	-	-	-	3,515	3,515	3,515	3,515	14,060
Activity A.3.5	Tending of 2016 planting	ha	2571	3.5	2,250	2,250	2,250	2,250	9,000
Activity A.3.7	Monitoring/supervising of site preparation, planting and tending (DSA) for 2 officers x 20 days	day	35	40	350	350	350	350	1,400
Activity A.3.8	Lodging allowance for 4 officers for 9 nights	night	35	36	315	315	315	315	1,260
Activity A.3.9	Transportation for 6 trips	trip	400	6	600	600	600	600	2,400
B. Regional Workshop					-	-	1,085	-	1,085
Activity B.1	Domestication of EETS in ASEAN countries	-	-	-	-	-	1,085	-	1,085
Activity B.1.1	Airfare	person	350	1	-	-	350	-	350
Activity B.1.2	Lodging allowance for 1 Thai participants x 3 nights	night	105	3	-	-	315	-	315

Activity No.	Activity Description	Unit	Unit cost (USD)	Qty	Year 2 (Jan-Dec.2017)				
					Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Thailand (2017)
Activity B.1.3	DSA for 1 Thai participants x 4 days	day	105	4	-	-	420	-	420
Activity B.1.4	Lodging allowance for 7 local participants x 3 nights	night	-	-	-	-	-	-	-
Activity B.1.5	DSA for 7 local participants x 3 days	day	-	-	-	-	-	-	-
Activity B.1.6	Meeting room	day	-	-	-	-	-	-	-
Activity B.1.7	Coffee break	person	-	-	-	-	-	-	-
Activity B.1.8	Lunch	person	-	-	-	-	-	-	-
Activity B.1.9	Dinner	person	-	-	-	-	-	-	-
Activity B.1.10	Folders and handout documents	set	-	-	-	-	-	-	-
Activity B.1.11	Souvenirs, bag, etc.	set	-	-	-	-	-	-	-
C. Technology Transfer and Capacity Development		-	-	-	-	-	-	6,375	6,375
Activity C.1	Cross visits (USD1700/person/trip TH, MY, IN,PH,SG)	-	-	-	-	-	-	4,375	4,375
Activity C.1.1	Traveling cost	person	350	5	-	-	-	1,750	1,750
Activity C.1.2	Lodging allowance	night	105	10	-	-	-	1,050	1,050

Activity No.	Activity Description	Unit	Unit cost (USD)	Qty	Year 2 (Jan-Dec.2017)				
					Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Thailand (2017)
Activity C.1.3	DSA	day	105	15	-	-	-	1,575	1,575
Activity C.2	Knowledge and technology transfer	-	-	-	-	-	-	2,000	2,000
Activity C.2.1	Manual	number	7	250	-	-	-	1,750	1,750
Activity C.2.2	Leaflet	number	-	-	-	-	-	-	-
Activity C.2.3	Poster and roll up	set	-	-	-	-	-	-	-
Activity C.2.4	Maintenance the project Website	website	0	-	-	-	-	250	250
D. Local Operation			-	-	-	2,120	2,120	5,235	12,175
Activity D.2	Attending oversea meeting	-	-	-	-	-	-	2,715	2,715
Activity D.2.1	Airfare or transportation	person	1,770	1	-	-	-	1,770	1,770
Activity D.2.2	Lodging allowance for 1 local participants x 4 nights	night	105	4	-	-	-	420	420
Activity D.2.3	DSA for 1 local participants x 5 days	day	105	5	-	-	-	525	525
Activity D.3	Inception meeting/project coordination meeting	-	-	-	-	-	-	2,700	2,700
Activity D.3.1	PCC Meeting	-	-	-	-	-	-	2,700	2,700
Activity D.3.2	Airfare or transportation	person	375	3	-	-	-	1,125	1,125

Activity No.	Activity Description	Unit	Unit cost (USD)	Qty	Year 2 (Jan-Dec.2017)				
					Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Thailand (2017)
Activity D.3.3	Lodging allowance for 3 local participants x 2 nights	night	105	6	-	-	-	630	630
Activity D.3.4	DSA for 3 local participants x 3 days	day	105	9	-	-	-	945	945
Activity D.4	Annual report	-	-	-	-	-	-	400	400
Activity D.4.1	Copy and binding	Set	20	20	-	-	-	400	400
Activity D.5	Miscellaneous	-	-	-	-	2,120	2,120	2,120	6,360
Activity D.5.1	Office supply	year	400	1	-	160	160	160	480
Activity D.5.2	Phone, Fax, Mailing costs	year	200	1	-	260	260	260	780
Activity D.5.3	Office automation	year	250	1	-	-	-	-	-
Activity D.5.4	Local part-time Coordinator (contract)	month	575	12	-	1,700	1,700	1,700	5,100
Grand Total (THAILAND)					3,515	5,635	5,635	17,825	36,395

Table 4.2 Modification of Thailand days pants x 2 nights for Year 2 (2017) from the Original Budget Work Plan for Year 2 (2016-2017).

Activity	Project Document plan	Endorsed Work Plan	Differences	Indication on Modification
A1. Site characterization				
A1.1 Site Selection				
A1.2 GPS mapping	1600	0	-1600	The activity implemented in 2016
A1.3 Producing Site Locality Map	300	0	-300	The activity implemented in 2016
A1.4 Food allowances	4200	0	-4200	The activity implemented in 2016
A1.5 Hotel allowances	4165	0	-4165	The activity implemented in 2016
A1.6 Transportation claims	4000	0	-4000	The activity implemented in 2016
A.2 Procurement of EETS				
A2.1. Purchase of seedlings or saplings	15000	0	-15000	The activity implemented in 2016
A2.2 Food allowances	630	0	-630	The activity implemented in 2016
A2.3 Hotel/lodging allowances	530	0	-530	The activity implemented in 2016
A2.4 Transportation claims	1800	0	-1800	The activity implemented in 2016
A.3 Establishment of Model plots				
A3.1. Site preparation	5000	0	-5000	The activity implemented in 2016

Activity	Project Document plan	Endorsed Work Plan	Differences	Indication on Modification
A3.2 Planting & Tending	9000	0	-9000	The activity implemented in 2016
A3.3 Tending of 2015-2016 planting	3600	9000	5400	Extra sites must be tending,
A3.4 Tending of 2016-2017 planting	0	0	0	
A3.5 Tending of 2017-2018 planting	0	0	0	
A3.6 Tending of 2018-2019 planting	0	0	0	
A3.7 Monitoring of site preparation, planting and tending	2100	1400	-700	The plants have established already less monitoring will be sufficient.
A3.8 Hotel/lodging	2065	1260	-805	The plants have established already less monitoring will be sufficient.
A3.9 Transportation claims	2700	2400	-300	The plants have established already less monitoring will be sufficient.
A.4 Documentation of Site Properties			0	
A4.1 Biophysical Properties	4265	0	-4265	The activity implemented in 2016
A4.2 Assessment of growth	500	0	-500	The activity implemented in 2016
A 4.3. Food allowances	1400	0	-1400	The activity implemented in 2016
A4.4 Hotel/lodging allowance	1400	0	-1400	The activity implemented in 2016

Activity	Project Document plan	Endorsed Work Plan	Differences	Indication on Modification
A4.5 Transportation claims	300	0	-300	The activity implemented in 2016
B. Regional workshop				
B1.1. Domestication of EETS in ASEAN countries	14000	1085	-12915	Less budget available and Thailand is not hosting country.
B1.2 Miscellaneous	1000	0	-1000	Less budget available
C. Technology transfer and capacity development				
C.1 Cross visits	10800	4375	-6425	Less budget available
C.2. Knowledge and technology transfer	2500	2000	-500	Less budget available
D. Local Operation				
D.1. External Auditing	0	0	0	
D.2. Attending oversea meetings	2640	2715	75	Different country might be a
D.3 Inception Meeting	0	2700	2700	PCC meeting for 3 persons to Malaysia
D.4 Annual Report	300	400	100	Better quality and price may increase.
D.5. Miscellaneous	2105	6360	4255	Local accountant allowance for twelve months included
total	97900	36395	-61505	

