



COMPLETION REPORT

The Quantification of Dry and Wet Inland
Gonystylus spp. (Ramin), *Aquilaria* spp.
(Agarwood) and *Intsia* spp. (Merbau) in Peninsular
Malaysia.

ITTO-CITES PROJECT

MALAYSIA'S WORK PROGRAMME FOR 2008

Ensuring International Trade in CITES-listed timber Species is Consistent with
their Sustainable Management and Conservation

EXECUTING AGENCY

Forestry Department Peninsular Malaysia
(Ministry of Natural Resources and Environment)
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THEMATIC PROGRAM ON ITTO-CITES

ENSURING INTERNATIONAL TRADE IN CITES-LISTED TIMBER SPECIES IS
CONSISTENT WITH THEIR SUSTAINABLE MANAGEMENT AND CONSERVATION

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SUSTAINABLE MANAGEMENT AND CONSERVATION

STARTING DATE

January 2009

DURATION OF THE ACTIVITY

12 months, extended to 20 months

ACTIVITY COST (US\$)

ITTO US\$ 131,800.00

GoM (in-kind) US\$ 66,230.00

Total US\$ 198,030.00

ACTIVITY COMPLETION REPORT

30 November 2010

ACTIVITY TECHNICAL AND SCIENTIFIC STAFF

Activity Coordinator

Mohd Yunus bin Zakaria (PhD)

Activity Secretary

Muhamad Azmi bin Ibrahim

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Ihsan Sabri bin Kamarazaman

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EXECUTIVE SUMMARY

1. Activity Context, Origin and Problem to be Addressed

There are concerns about the rate at which *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) are being harvested due to increasing demand for timber from industries, both local and international, as well as the threats from illegal logging. In order to conserve and sustainably manage these species, detail and accurate information on their population, biological and ecological status should be made available to determine the sustainable level of harvests and intensive management practices of these species.

2. Activity Objectives

Overall objective

The aim of the Activity is to contribute in ensuring the stocking and sustainability of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) are consistent with the sustainable forest management practices being implemented in Peninsular Malaysia.

Specific objective

The specific objectives of the Activity are as follows:

- i) to collect information on the distribution, status and stocking of dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) based on the Fourth National Forest Inventory information in Peninsular Malaysia, and
- (ii) to establish ten (10) permanent sample plots (PSPs) to periodically monitor the growth, mortality and recruitment of *Gonystylus* spp. (Ramin) in Peninsular Malaysia. It also aimed to collect reliable information on the growth dynamics of both 'dry' and 'wet' *Gonystylus* spp. in Peninsular Malaysia.

3. Most Critical Differences between Planned and Realized Activity Implementation

- Activity personnel** : There were several personnel changes in implementing this Activity. But all of activities went well.
- Time schedule** : Only a slight delay in the starting date and there was an extension from 12 months to 20 months to execute some additional activities (January 2009 through August 2010).
- Budget amendment** : Some amounts of unspent fund were reallocated to support another activities. The ITTO has approved a transfer a sum of US\$4,735.00 to Malaysian Timber Industry Board (MTIB) to support its hosting of the "National Workshop on Enforcement Compliance for Trade in Ramin (*Gonystylus* species)".

1. ACTIVITY IDENTIFICATION

1.1 Context

Social, economic and environment

Gonystylus spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) are important forest tree species that are currently being utilized in Malaysia. There are concerns about the rate at which these species are being harvested due to increasing demand for timber from industries, both local and international, as well as the threats from illegal logging. In order to conserve and sustainably manage these species, detail and accurate information on their population, biological and ecological status should be made available to determine the sustainable level of harvest and intensive management practices of these species.

Activity location

Activities were carried out based on the NFI-4 data conducted in 2002. Based on the 1,644 sampling units (SU) set up for enumeration in NFI-4, a total of 60 SU units were selected that contained *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau). Of these 60 SU units, 59 still remain intact while one of the SU units has been seriously disturbed due to forest road construction. The 59 SU units chosen are distributed in the states of Selangor (12 SU), Negeri Sembilan (6 SU), Johor (11 SU), Kedah (7 SU), Terengganu (7 SU), Kelantan (1 SU), Perak (10 SU), Pahang (4 SU), and Pulau Pinang (1 SU).

1.2 Origin and the main problem to be addressed

Due to technical reasons and reporting requirements under the NFI-4, species such as *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) were generally only identified at the genus level. This is partly because some of inventory work was contracted out to companies that had limited number of experienced and trained workers who could identify trees at the species level.

There are concerns about the rate at which these species are being harvested. This is accelerated by the introduction of mechanization in harvesting, improved transport methods and land-use change from forest to agriculture to support socio-economic development and the demand of an increasing population. Present concerns also include increasing demand for timber from industries, both local and international, as well as the threats from illegal logging. Given these concerns, the challenge is to manage the forest in a sustainable manner in Peninsular Malaysia that still has high resource availability and a high level of forest industry development.

Current information indicates that there are sufficient number of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) trees in the Peninsular Malaysia. Based on the NFI-4 results, it was estimated that the total number of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) were 5,774,255 stems, 3,553,466 stems and 4,916,468 stems respectively. On the other hand, there are currently only two (2) PSPs of *Gonystylus* spp. (Ramin) being established in the peat swamp forests in Peninsular Malaysia. Hence, there is a need to gather more information on the growth of both 'dry' and 'wet' *Gonystylus* (Ramin) trees. As such, more PSPs are needed to be established so as to be able to provide more reliable information as data from the two established (2) plots are insufficient to provide reliable growth and mortality data, and information on the population dynamics of the species in Peninsular Malaysia.

2. ACTIVITY OBJECTIVES AND IMPLEMENTATION STRATEGY

The project Activity aims to ensure the stocking and sustainability of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) species are consistent with the sustainable forest management practices being implemented in Peninsular Malaysia. It will also promote sustainable utilization and conservation of Ramin in the production forests of Peninsular Malaysia through the determination of sustainable level of harvest of Ramin.

Specific objective

The specific objectives of the Activity are as follows:

- i) To collect information on the distribution, status and stocking of dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) based on the Fourth National Forest Inventory information in Peninsular Malaysia, and
- ii) To establish ten (10) permanent sample plots (PSPs) to periodically monitor the growth, mortality and recruitment of *Gonystylus* spp. (Ramin) in Peninsular Malaysia. It also aimed to collect reliable information on the growth dynamics of both 'dry' and 'wet' *Gonystylus* spp. in Peninsular Malaysia.

Implementation strategy

1. Appoint an experienced contractor to carry out the field inventory.
2. Organize a tree identification course to Forestry Department Peninsular Malaysia (FDPM) staff and contractor and contractor workers.
3. Acquisition of inventory equipments.
4. Undertake an inventory work in the field.
5. Identify and establish suitable *Gonystylus* spp. permanent sample plots (PSPs).
6. Compile, screening and processing the data collected.
7. Organize a seminar to share the findings of the Activity.

Assumptions and risks

There will be challenges to the foresters to locate the various S.U. that were established during the implementation of the NFI-4 which have been identified that contained *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) species. This is due to difficulties to locate the exact locations of the SUs and plots, as well as the trees because the SUs and the plots were established between 2002 and 2004. However, this will not have any significant negative impacts on the success of this Activity project in achieving its objectives.

3. ACTIVITY PERFORMANCE (Activity elements planned and implemented)

Performance of each activity

Activity	Percentage Executed	Original Planned Completion Date	Estimated Completion Date
Activity 1.1.1 Documentation and procedures to appoint contractors to carry out the field inventory.	100%	March 2009	Completed, May 2009
Activity 1.1.2 Tree identification course to FDPM staff and contractor workers.	100%	April 2009	Completed, May 2009
Activity 1.2.1 Acquisition of inventory equipment.	100%	March 2009	Completed, May 2009
Activity 1.2.2 Inventory work in the field.	100%	June 2009	Completed, December 2009
Activity 1.2.3 Data validation, processing and analysis.	100%	November 2009	February 2010
Activity 1.2.4 Specimen identification.	100%	June 2009	Completed, December 2009
Activity 1.3.1 Reports and seminar.	100%	January 2010	Completed, November 2010
Activity 2.1.1 Identification of suitable <i>Gonystylus</i> spp. permanent sample plots (PSPs) based on the number of species in the NFI4 S.U. and according to the NFI4 strata.	100%	December 2009	Completed, January 2010
Activity 2.1.2 Establishment and enumeration of ten (10) PSPs according to Growth Plot design that is currently used by the FDPM.	100%	May 2010	Completed, July 2010
Activity 2.1.3 Compilation of data, screening of data, and processing of data gathered from the first enumeration of the PSPs.	100%	January 2010	Completed, August 2010

Outputs achieved

Output 1.1 To improve the knowledge of forest officers and contractors in the identification of all dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau).

To enhance and improve their knowledge by identifying the tree up to species level, Tree Identification course for both forest officers and the workers (appointed contractor) has been implemented. The course was aimed at introducing the design of inventory for NFI-4 and to identify *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau).

Output 1.2 To comprehensively assess the biological and ecological, as well as the distribution and stocking of dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) based on the Fourth National Forest Inventory data for future sectoral planning and forest management.

Evaluation on distribution and stocking of dry and wet inland *Gonystylus* spp., *Aquilaria* spp. and *Intsia* spp. was carried out on the 59 SU units selected among the 1644 SU units measured in NFI-4. The species that were enumerated under genus *Gonystylus* spp. are *G. bancanus*, *G. affinis*, *G. confusus*, *G. affinis*, *G. maingayi*, and *G. velutinus*. As for *Aquilaria* spp., the species are *A. hirta*, *A. beccariana*, *A. malaccensis*, and *A. microcarpa*. In addition, two species *I. palembanica* and *I. bijuga* of genus *Intsia* spp. (Merbau) are enumerated.

Output 1.3 To determine future sustainable harvest level of *Gonystylus* spp., *Aquilaria* spp. and *Intsia* spp. so as to enhance their conservation status within production forests.

In order to enhance the conservation of *Gonystylus* spp., *Aquilaria* spp. and *Intsia* spp. a seminar has been organized to share the Activity findings. As to compile and distribute all the information that has been analyzed, a technical report on The Quantification of Dry and Wet Inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) in Peninsular Malaysia has been published.

Output 2.1 To provide sufficient and credible information on the stocking and growth of *Gonystylus* spp. (Ramin) to further enhance its management system and future utilization, and in sustainable harvest prediction.

Ten (10) permanent sample plots (PSPs) have been established to periodically monitor the growth, mortality and ingrowth of *Gonystylus* spp. in Peninsular Malaysia. The ten (10) PSPs were selected based on the stand content of the 59 SU units that were carried out as mentioned in output 1.2.

A technical report on The Quantification of Dry and Wet Inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) in Peninsular Malaysia was prepared and published for dissemination to interested stakeholders and parties.

Total Amount of Expenditures and Analysis

From the ITTO contribution of US\$131,800 at total of US\$109,855.54 was spent while a sum of US\$4,431.84 was approved by ITTO to be transferred for the holding of the Malaysian Timber Industry Board (MTIB) "National Workshop on Enforcement Compliance for Trade in Ramin (*Gonystylus* species)". Hence, leaving a balance of US\$21,944.46 as reflected in the 'Activity Cash Flow Statement - ITTO contribution' and the 'Activity Financial Statement -ITTO contribution' in **Annex 1** . In this regard from the in-kind contribution of US\$66,230.00 from Malaysia, a total of US\$9,807.43 was spent as shown in the 'Activity Cash Flow Statement – Government of Malaysia (GoM) contribution' and the 'Activity Financial Statement -GoM contribution' in **Annex 2**.

4. ACTIVITY OUTCOME, TARGET BENEFICIARIES INVOLVEMENT

4.1 Achievement of specific objectives

An establishment of the 10 (ten) PSPs shows that this Activity has achieved the objectives. The PSPs are important to periodically monitor the growth, mortality and ingrowths of *Gonystylus* spp. in Peninsular Malaysia. Sufficient information on growth and population dynamics is essential for better management and species conservation.

Outputs

The above objectives are achieved through the enhancement of four items as follows:

1. To improve the knowledge of forest officers and contractors in the identification of all dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau).
2. To comprehensively assess the biological and ecological, as well as the distribution and stocking of dry and wet inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) based on the Fourth National Forest Inventory data for future sectoral planning and forest management.
3. To determine future sustainable harvest level of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) so as to enhance their conservation status within production forests.
4. To provide sufficient and credible information on the stocking and growth of *Gonystylus* spp. (Ramin) to further enhance its management system and future utilization, and in sustainable harvest prediction.

Impact/outcome

1. An additional 10 Permanent Sample Plots have been established to periodically monitor the growth, mortality and ingrowth of *Gonystylus* spp. (Ramin) in Peninsular Malaysia.
2. Knowledge of forest officer and contractor who undertake this Activity have been enhanced in indentifying *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) up to species level.

4.2 Situation at Activity completion

The Activity has provided credible and reliable information to the global community with regard to the state of these species in Peninsular Malaysia in terms of their stocking, regeneration status and distribution. The Activity also would provide long-term information on Ramin growth and mortality and contribute to the formulation of more intensive forest management practices and sustainable harvesting regimes of *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) in Peninsular Malaysia.

4.3 Participation of the target beneficiaries

At the end of the Activity, relevant government agencies in Malaysia will have better understanding on the state of the *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) stocking and their distribution in Peninsular Malaysia which will lead to better and more intensive management of these species in the future. The results of this Activity will be disseminated to stakeholders such as the various State Forestry Departments in Peninsular Malaysia, relevant forestry agencies such as the Ministry of Natural Resources and Environment, the Ministry of Plantation Industries and Commodities, Forest Research Institute of Malaysia (FRIM), Malaysian Timber Industry Board (MTIB), local universities, Malaysian timber importers and exporters, etc. This will assist the relevant agencies to address the issue as to whether these species will become extinct or not as a result of logging. The Activity will further enhance a more knowledge-based decision making by the FDPM in the formulation of forest management systems for these species, based on sustainable forest management principles.

4.4 Expectation of Activity sustainability after Activity completion

At the end of the Activity, continuous monitoring and remeasurement of the 10 PSPs plots will be included in FDPM Growth Plot list.

5. ASSESSMENT AND ANALYSIS

Result on *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) enumerated in the 59 SU, 10 PSPs are presented in the technical report “The Quantification of Dry and Wet Inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) in Peninsular Malaysia”.



6. LESSONS LEARNED

- I Data regarding the content and of the species should be further improved through identifying *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau) at species level in the upcoming 5th National Forest Inventory (2011-2012).
- II Establishment of PSPs is not cheap and must be supported by continuous funding for targeted measurement period.

Flow of funds

The flow and the use of the Activity fund have been appropriate to enable the implementation of the planned activities.

Activity documentation

All documents of the Activity are kept at the Activity secretariat and NRE for records.

Monitoring and evaluation

Remeasurement of the 10 PSPs shall be carried once every 2-5 year. First growth evaluation on the 10 PSPs will be carried after second re-measurement.

External factors that influenced the Activity implementation and that could have been foreseen and that could not have been foreseen

The security of the 10 PSPs for the periods of re-measurements need to be addressed. Experienced have shown that PSPs have been subjected to the damage by logging and forest road construction. To ensure that the PSPs are intact for follow-up measurements, the 10 PSPs will be demarcated or reclassify according to the permanent reserved forest functional classes as Research Forest as enshrined in section 10 (1) (j), National Forestry Act 1984 or the State authority may issue Use Permit on areas demarcated for-PSPs.



Gonystylus confusus

7. CONCLUSIONS AND RECOMMENDATIONS

The 10 PSPs were successfully established. Apart from that evaluation on data of the first measurement was carried out and technical report was published. This Activity has provided useful basic information on the current population on *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Intsia* spp. (Merbau). However Information on growth, mortality, and ingrowth shall be the main objective of successive measurement in the future.

Responsible for the Report

Name: Ihsan Sabri Kamarazaman,
Position held: Activity Coordinator
Date: 13 December 2010



ANNEX 1

**ACTIVITY CASH FLOW STATEMENT (in US Dollar)
ITTO CONTRIBUTION**

Programme Title : ITTO-CITES 2008
 Activity No. : 2
 Activity Title : The Quantification of Dry and Wet Inland Gonystylus spp. (Ramin), Aquilaria spp. (Agarwood) and Instia spp. (Merbau) in Peninsular Malaysia

Component	Reference	Date	Amount	
			in US\$	Local Currency
A. <u>Funds received from ITTO:</u>				
1. First instalment		30/09/2009	\$70,000.00	249,550.00
2. Second Instalment		29/10/2010	\$5,000.00	16,877.96
3. Third instalment		15/11/2010	\$56,800.00	174,355.94
4. Fourth instalment				
5. Interest on bank deposits				
Total Funds Received:			\$131,800.00	440,783.90
B. <u>Expenditures (by Executing Agency):</u>				
10. Personnel				
11. Coordinator				
12. Other Personnel				
12.1 Assistant 1				
12.2 Assistant 2				
12.3 Other labour				
13. National Experts				
13.1 Expert 1				
13.2 Expert 2				
13.3 Expert 3				
14. International Consultant(s)				
15. Personnel Total:			\$0.00	0.00
16. Workshop/Seminar and Training (specify beneficiaries)				
16.1 Travel/Transportation Costs (participants)				
16.2 Daily Subsistence Allowances (participants)				
16.3 Venue and Logistics				
16.4 Workshop Materials			\$5,941.45	19,870.00
16.5 Others (Book Printing)			\$6,004.25	20,080.00

Component	Reference	Date	Amount	
			in US\$	Local Currency
17. Workshop/Seminar and Training Total:			\$11,945.70	39,950.00
20. Sub-contracts				
21. Sub-contract (Measurement for 59 plots)			\$52,925.70	177,000.00
22. Sub-contract (Establishment of 10 PSPs plots)			\$12,957.87	43,335.00
29 Sub-contracts Total:			\$65,883.74	220,335.00
30. Travel				
31. Daily Subsistence Allowance				
31.1 National Expert(s)				
31.2 International Consultant(s)				
31.3 Others			\$5,209.40	17,421.80
32. International Travel				
32.1 National Expert(s)				
32.2 International Consultant(s)				
32.3 Others				
33. Local Transport Costs				
33.1 National Expert(s)				
33.2 International Consultant(s)				
33.3 Others				
39. Travel Total:			\$5,209.40	17,421.80
40. Capital Items				
41. Premises				
42. Vehicle(s)				
43. Capital Equipment				
43.1 Computer Equipment (specify)				
43.2 Others (Satellite Image)			\$14,891.01	49,800.00
43. Capital Items Total:			\$14,891.01	49,800.00
50. Consumable items				
51. Raw materials				
52. Spares				
53. Utilities (Fuel, toll, 4WD maintenance)			\$5,636.76	18,850.92
54. Office Supplies				
59. Consumable Items Total:			\$5,636.73	18,850.92
60. Miscellaneous				
61. Sundry (Publication of "The Jewel of Peat Swamp Forest")			\$15,249.83	51,000.00

62. Contingencies				
69. Miscellaneous Total:			\$15,249.83	51,000.00
70. Others (specify)				
71. Others (Transfer fund to MTIB)			\$4,431.44	14,820.08
79. Others Total:			\$4,431.44	14,820.08
Total Expenditures To-date *****:			\$123,247.85	412,177.80
Remaining Balance of Funds (A-B):			\$8,552.15	28,606.10

Notes:

- 1) Amounts in U.S. dollars are converted using the average rate of exchange when funds were received by the Executing Agency;
- 2) Amount of expenditures in US dollar should be the same as amount shown in column (c) of the Financial Statement (with direct link from the Cash Flow Statement);
- 3) Provide a list of all expenditure components (listing the expenditures on excel format, showing date, payee, category/components of expenditures and the amount, both in local currency and in US dollar);
- 4) Submit all actual supporting payment documents/evidences (filed in the same sequence as the entries in the list of expenditures in (3) above); and
- 5) Submit bank reconciliation statements along with the bank statement to support the remaining balances/ funds in the Cash Flow Statement.

***** Actual expenditures is in Ringgit Malaysia (RM) @ conversion rate USD1 = RM3.34



ANNEX 2

**ACTIVITY FINANCIAL STATEMENT (in US Dollar)
ITTO CONTRIBUTION**

Programme Title : ITTO-CITES 2008
 Activity No. : 2 Period covered (ending on): December 2010
 Activity Title : The Quantification of Dry and Wet Inland Gonystylus spp. (Ramin), Aquailaria spp. (Agarwood) and Instia spp. (Merbau) in Peninsular Malaysia

Component	Original Amount (A)	Expenditures To-date			Available Funds (E) { A - D }
		Accrued (B)b/	Expended (C)	Total (D) { B + C }	
I. <u>Funds managed by Executing Agency</u>					
10. Personnel					
11. Coordinator			\$0.00		
12. Other Personnel			\$0.00		
12.1 Assistant 1			\$0.00		
12.2 Assistant 2			\$0.00		
12.3 Other labour			\$0.00		
13. National Experts			\$0.00		
13.1 Expert 1			\$0.00		\$0.00
13.2 Expert 2			\$0.00		
13.3 Expert 3			\$0.00		
14. International Consultant(s)			\$0.00		
14.1 Consultant 1			\$0.00		
14.2 Consultant 2			\$0.00		
15. Personnel Total:		\$0.00	\$0.00	\$0.00	\$0.00
16. Workshop/Seminar and Training (specify beneficiaries)			\$0.00		
16.1 Travel/Transportation (participants)			\$0.00		
16.2 Daily Subsistence Allowances (participants)			\$0.00		
16.3 Venue and Logistics			\$0.00		
16.4 Workshop Materials			\$5,941.45		
16.5 Others			\$6,004.25		
17. Workshop/Seminar and Training Total:	\$23,300.00	\$0.00	\$11,945.70	\$11,945.70	\$11,354.30
20. Sub-contracts					
21. Sub-contract (Topic e.g. mapping, etc.)	\$7,750.00		\$52,925.87		

Component	Original Amount (A)	Expenditures To-date			Available Funds (E) { A - D }
		Accrued (B)b/	Expended (C)	Total (D) { B + C }	
22. Sub-contract (Topic 2)	\$7,750.00		\$12,957.87		
29. Component Total:	\$15,500.00	\$0.00	\$65,883.74	\$65,883.74	(\$50,383.74)
30. Travel					
31. Daily Subsistence Allowance					
31.1 National Expert(s)	\$62,000.00		\$0.00		
31.2 International Consultant(s)			\$0.00		
31.2 International Consultant(s)			\$0.00		
31.3 Others			\$5,209.40		
32. International Travel					
32.1 Nationala Expert(s)			\$0.00		
32.2 International Consultant(s)			\$0.00		
32.3 Others			\$0.00		
33. Local Transport Costs					
33.1 National Expert(s)			\$0.00		
33.2 International Consultant(s)			\$0.00		
33.3 Others			\$0.00		
39. Travel Total:	\$62,000.00	\$0.00	\$5,209.40	\$5,209.40	\$56,790.60
40. Capital Items					
41. Premises			\$0.00		
42.. Vehicle(s)			\$0.00		
43. Capital Equipment					
43.1 Computer Equipment (specify)			\$0.00		
43.2 Others (Satellite Image)			\$14,891.01		
49. Capital Items Total:	\$0.00	\$0.00	\$14,891.01	\$14,891.01	(\$14,891.01)
50. Consumable Items					
51. Raw Materials			\$0.00		
52. Spares			\$0.00		
53. Utilities (Fuel, toll, 4WD maintenance)	\$31,000.00		\$5,636.73		
54. Office Supplies			\$0.00		
59. Consumable Items Total:	\$31,000.00	\$0.00	\$5,636.73	\$5,636.73	\$25,363.27
60. Miscellaneous					
61. Sundry (Publication of "The Jewel of Peat Swamp Forest")			\$15,249.83		
62. Contingencies			\$0.00		

69. Miscellaneous Total:	\$0.00	\$0.00	\$15,249.83	\$15,249.83	(\$15,249.83)
70. Others (specify)					
71. Others (specify)			\$4,431.44		
79. Others Total	\$0.00	\$0.00	\$4,431.44	\$4,431.44	(\$4,431.44)
100. GRAND TOTAL:	\$131,800.00	\$0.00	\$123,247.85	\$123,247.85	\$8,552.15

Exchange rate: 1USD = RM3.5

Notes:

- 1) Amounts in U.S. dollars are converted using the average rate of exchange when funds were received by the Executing Agency;
- 2) Amount of expenditures in US dollar should be the same as amount shown in column (c) of the Financial Statement (with direct link from the Cash Flow Statement);
Provide a list of all expenditure components (listing the expenditures on excel format, showing date, payee, category/components of expenditures and the amount, both in local currency and in US dollar);
- 3) Submit all actual supporting payment documents/evidences (filed in the same sequence as the entries in the list of expenditures in (3) above); and
- 4) Submit bank reconciliation statements along with the bank statement to support the remaining balances/funds in the Cash Flow Statement.

***** Actual expenditures is in Ringgit Malaysia (RM) @ conversion rate USD1 = RM3.34



ANNEX 3

**ACTIVITY CASH FLOW STATEMENT (in US Dollar)
GOVERNMENT OF MALAYSIA CONTRIBUTION**

Programme Title : ITTO-CITES 2008
 Activity No. : 2 Period covered (ending on): October 2010
 Activity Title : The Quantification of Dry and Wet Inland *Gonystylus* spp. (*Ramin*), *Aquilaria* spp. (*Agarwood*) and *Instia* spp. (*Merbau*) in Peninsular Malaysia

Component	Reference	Date	Amount	
			in US\$	Local Currency
A. <u>Funds received from GoM:</u>				
1. First instalment			\$66,230.00	231,805.00
2. Second Instalment				
3. Third instalment				
4. Fourth instalment				
5. Interest on bank deposits				
Total Funds Received:			\$66,230.00	231,805.00
B. <u>Expenditures (by Executing Agency):</u>				
10. Personnel				
11. Coordinator				
12. Other Personnel				
12.1 Assistant 1				
12.2 Assistant 2				
12.3 Other labour				
13. National Experts				
13.1 Expert 1				
13.2 Expert 2				
13.3 Expert 3				
14. International Consultant(s)				
14.1 Consultant 1				
14.2 Consultant 2				
15. Personnel Total:			\$0.00	0.00
16. Workshop/Seminar and Training (specify beneficiaries)				
16.1 Travel/Transportation Costs (participants)				
16.2 Daily Subsistence Allowances (participants)				
16.3 Venue and Logistics				
16.4 Workshop Materials				

Component	Reference	Date	Amount	
			in US\$	Local Currency
16.5 Others				
17. Workshop/Seminar and Training Total:			\$0.00	0.00
20. Sub-contracts				
21. Sub-contract (Topic e.g. mapping, etc.)				
22. Sub-contract (Topic 2)				
29. Sub-contracts Total:			\$0.00	0.00
30. Travel				
31. Daily Subsistence Allowance				
31.1 National Expert(s)				
31.2 International Consultant(s)				
31.3 Others				
32. International Travel				
32.1 National Expert(s)				
32.2 International Consultant(s)				
32.3 Others				
33. Local Transport Costs				
33.1 National Expert(s)				
33.2 International Consultant(s)				
33.3 Others				
39. Travel Total:			\$0.00	0.00
40. Capital Items				
41. Premises				
42. Vehicle(s)				
43. Capital Equipment				
43.1 Computer Equipment (specify)				
43.2 Others (specify)				
49. Capital Items Total:			\$0.00	0.00
59. Consumable Items Total:			\$9,807.43	34,326.00
60. Miscellaneous				
61. Sundry				
62. Contingencies				
69. Miscellaneous Total:			\$0.00	0.00
70. Others (specify)				
71. Others (specify)				
79. Others Total:			\$0.00	0.00

Component	Reference	Date	Amount	
			in US\$	Local Currency
Total Expenditures To-date:			\$9,807.43	34,326.00
Remaining Balance of Funds (A-B):			\$56,422.57	197,479.00



ANNEX 4

**ACTIVITY FINANCIAL STATEMENT (in US Dollar)
GOVERNMENT OF MALAYSIA CONTRIBUTION**

Programme Title : ITTO-CITES 2008
 Activity No. : 2 Period covered (ending on): December 2010
 Activity Title : The Quantification of Dry and Wet Inland *Gonystylus* spp. (Ramin), *Aquilaria* spp. (Agarwood) and *Instia* spp. (Merbau) in Peninsular Malaysia

Component	Original Amount (A)	Expenditures To-date			Available Funds (E) { A - D }
		Accrued (B)b/	Expended (C)	Total (D) { B + C }	
I. <u>Funds managed by Executing Agency</u>					
10. Personnel					
11. Coordinator			0.00	0.00	0.00
12. Other Personnel			0.00		
12.1 Assistant 1			0.00	0.00	0.00
12.2 Assistant 2			0.00	0.00	0.00
12.3 Other labour	15,500.00		0.00	0.00	15,500.00
13. National Experts	1,550.00		0.00		1,550.00
13.1 Expert 1			0.00		
13.2 Expert 2			0.00		
13.3 Expert 3			0.00		
14. International Consultant(s)			0.00		
14.1 Consultant 1			0.00		
14.2 Consultant 2			0.00		
15. Personnel Total:	\$17,050.00	\$0.00	\$0.00	\$0.00	\$17,050.00
16. Workshop/Seminar and Training (specify beneficiaries)			0.00		
16.1 Travel/Transportation (participants)			0.00		
16.2 Daily Subsistence Allowances (participants)			0.00		
16.3 Venue and Logistics			0.00		
16.4 Workshop Materials			0.00		
16.5 Others			0.00		
17. Workshop/Seminar and Training Total:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20. Sub-contracts					
21. Sub-contract (Topic e.g. mapping, etc.)		0.00			
22. Sub-contract (Topic 2)		0.00			
29. Component Total:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Component	Original Amount (A)	Expenditures To-date			Available Funds (E) { A - D }
		Accrued (B)b/	Expended (C)	Total (D) { B + C }	
30. Travel					
31. Daily Subsistence Allowance					
31.1 National Expert(s)			0.00		
31.2 International Consultant(s)			0.00		
31.3 Others			0.00	0.00	0.00
32. International Travel					
32.1 National Expert(s)			0.00		
32.2 International Consultant(s)			0.00		
32.3 Others			0.00		
33. Local Transport Costs					
33.1 National Expert(s)			0.00		
33.2 International Consultant(s)			0.00		
33.3 Others	1,550.00		0.00	0.00	1,550.00
39. Travel Total:	\$1,550.00	\$0.00	\$0.00	\$0.00	\$1,550.00
40. Capital Items					
41. Premises			0.00		
42.. Vehicle(s)			0.00		
43. Capital Equipment					
43.1 Computer Equipment (specify)			0.00		
43.2 Others			0.00	-	-
49. Capital Items Total:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
50. Consumable Items					
51. Raw Materials	15,500.00		9,807.43	9,807.43	5,692.57
52. Spares			0.00		
53. Utilities			0.00	0.00	0.00
54. Office Supplies	3,200.00		0.00	0.00	3,200.00
59. Consumable Items Total:	\$18,700.00	\$0.00	\$9,807.43	\$9,807.43	\$8,892.57
60. Miscellaneous					
61. Sundry	3,100.00		0.00		3,100.00
62. Contingencies			0.00	-	-
69. Miscellaneous Total:	\$3,100.00	\$0.00	\$0.00	\$0.00	\$3,100.00
70. Others (specify)					
71. Others (specify) Executing Agency Management Costs	25,830.00		0.00		25,830.00
79. Others Total	\$25,830.00	\$0.00	\$0.00	\$0.00	\$25,830.00

Component	Original Amout (A)	Expenditures To-date			Available Funds (E) { A - D }
		Accrued (B)b/	Expended (C)	Total (D) { B + C }	
100. GRAND TOTAL:	\$66,230.00	\$0.00	\$9,807.43	\$9,807.43	\$56,422.57

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