

付 属 資 料

1. ミニッツ（合同評価レポート添付）
2. 合同運営委員会議事録
3. プロジェクト成果広報セミナー資料
4. 機材供与リスト

MINUTES OF THE JOINT EVALUATION
BETWEEN
THE JAPANESE FINAL EVALUATION TEAM
AND
THE AUTHORITIES CONCERNED OF THE GOVERNMENT OF MALAYSIA
FOR
SMALL-SCALE FOREST PLANTATION USING FAST-GROWING TREE SPECIES
IDENTIFIED IN PHASE I AND II

The Japanese Final Evaluation Team, organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA"), headed by Mr. Toshihiro Shima, and the Malaysian Evaluation Team, headed by Mr. Lai Sai Mai, formed the Joint Evaluation Team (hereinafter referred to as "the Team"), and conducted evaluation from 12-18 September 2002 for the purpose of evaluating the achievement and determining the future direction of the Small-Scale Forest Plantation Using Fast-Growing Tree Species Identified in Phase I and II (hereinafter referred to as "the Project").

The Team submitted its report of the evaluation to the Project Joint Committee Meeting on 19 September chaired by Y. Bhg. Datuk Zul Mukhshar bin Dato' Md. Shaari. The Committee agreed to forward to the respective Governments the report which is referred to as ANNEX 1 in the document attached hereto.

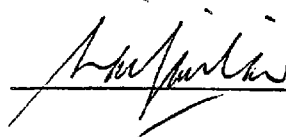
September 19, 2002



Mr. Toshihiro Shima

Leader

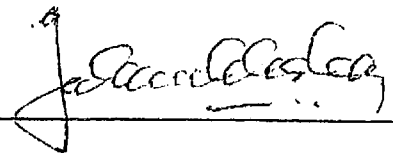
Japanese Final Evaluation Team



Mr. Lai Sai Mai

Leader

Malaysian Evaluation Team



Datuk Zul Mukhshar bin
Dato' Md. Shaari
Director General,
Forestry Department
Peninsular Malaysia

THE JOINT EVALUATION REPORT
ON
SMALL-SCALE FOREST PLANTATION USING FAST-GROWING TREE
SPECIES IDENTIFIED IN PHASE I AND II

1. INTRODUCTION

Based upon the Record of Discussions (hereinafter referred to as "the R/D") signed on October 9, 1999, the Government of Japan and the Government of Malaysia have been implementing the Project since November 1, 1999. The Project is scheduled to be implemented for three (3) years and is to be completed on October 31, 2002.

The Narrative Summary of the Project implemented currently is as follows:

The Overall Goal of the Project:

To contribute to the management of small-scale forest plantation requiring intensive management and producing specific timber/timber mix, in Peninsular Malaysia for sustained social, economic and environmental benefits.

Project Purpose:

To develop and introduce effective techniques and management procedures of small-scale forest plantation that will enhance private investments.

Output:

- Data Collection of Multi-Storied Forest Management Project (MSFP)
- Selection of promising fast-growing species
- Development of an effective silvicultural method
- Collection of the relevant data for plantation management
- Increased number of trained staff of FDPM in the management of forest plantation.

With the remaining project period of approximately 1 month, JICA dispatched the evaluation team to Malaysia, and Malaysian side also formed an evaluation team. Both teams joined and formed a joint evaluation team to evaluate the project together. The members of the joint evaluation team are described on Item 2 of this document.

2. MEMBERS OF THE JOINT EVALUATION TEAM

2-1 The Japanese Final Evaluation Team

(1) Mr. Toshihiro SHIMA/ Leader

Senior Audit Officer, Forest Environment Division, Forestry Agency, Ministry of
Agriculture, Forestry and Fisheries

- (2) Dr. Kaoru NIIYAMA / Silviculture
Head of Community Dynamics Laboratory, Department of Forest Vegetation,
Independent Administrative Institution Forestry and Forest Products Research
Institute
- (3) Ms. Asako TAKIMOTO / Project Management
Official, Financial Cooperation Division, Agriculture, Forestry and Fisheries
Development Study Department, JICA

2-2 The Malaysian Evaluation Team

- (1) Mr. Lai Sai Mai / Leader
Principal Assistant Director, Agriculture Section, Economic Planning Unit,
Prime Minister's Department
- (2) Mr. Thai See Kiam / Forest Management
Director, Forest Management Division, Forest Department Peninsular Malaysia
- (3) Dr. Ang Lai Hoe, / Silviculture
Senior Plantation Silviculturist, Plantation Division, Forest Research Institute
Malaysia

3. OBJECTIVES OF THE EVALUATION

Objectives of the evaluation of the Project are as follows:

- (1) To execute a comprehensive evaluation of the achievements in accordance with the original plan described in the Record of Discussions (R/D) and Tentative Schedule of Implementation (TSI).
- (2) To make recommendations and suggestions concerning the measures to be taken after the termination of the cooperation of the Project.

4. METHODOLOGY OF EVALUATION

4-1 Evaluation Method

The Project was evaluated jointly by the Team. The Team visited project sites and had a series of hearings from Japanese long-term experts, Malaysian counterparts and important parties related to the Project.

In order to conduct the final evaluation precisely and efficiently, the Team employed five evaluation criteria recommended by Development Assistance Committee (DAC) of Organization for Economic Cooperation and Development (OECD).

The Team analyzed and evaluated the Project by means of Accomplishment Grid and Evaluation Grid from the viewpoints of five evaluation criteria. Finally, the Team made a set of recommendations and suggestions.

4-2 Items of the Evaluation

The Evaluation was conducted from the viewpoints of five evaluation criteria as shown below:

(1) Relevance

Relevance of the Project plan is reviewed as the validity of project purpose and overall goal in connection with the development policy of the Malaysian Government and needs of the beneficiaries.

(2) Effectiveness

Effectiveness concerns the extent to which the Project Purpose has been achieved, or is expected to be achieved, in relation to the Output produced by the project.

(3) Efficiency

Efficiency of the project implementation is analyzed with the emphasis on the relationship between Outputs and Inputs shown in terms of timing, quality and quantity.

(4) Impact

Impact is intended or unintended, direct or indirect, positive or negative changes as results of the project. It includes impact of the project for on the Overall Goal, as an intended positive change.

(5) Sustainability

Sustainability of the Project is assessed in organizational, financial and technical aspects by examining the extent to which the achievement of the Project will be sustained or expanded after the Project is completed.

5. ACCOMPLISHMENT OF THE PROJECT PLAN

5-1 Input

Each evaluation for input is shown in Accomplishment Grid (ANNEX 2). The contents of Project inputs are as follows:

(1) Inputs from Japanese side

Inputs allocated for the Project from Japan are as follows:

a) Dispatch of Japanese experts:

Long-term expert: 5

A Leader for 3 years

A Coordinator for 3 years

A Silviculture I expert for 3 years
 A Silviculture II expert for 3 years
 A Forest Management expert for 3 years
 Short-term expert: 10

b) Counterpart training:

Year 2000	3 persons
Year 2001	2 persons
Total in 1999 - 2002	5 persons

c) Provision of machinery and facilities:

Year 1999	RM	0
Year 2000	RM	15,338.00
Year 2001	RM	430,574.60
Year 2002	RM	0
Total in Year 1999 - 2002	RM	445,912.6

(equivalent to approximately USD 117,345)
 (conversion rate: USD1.00 = RM 3.8)

d) Administrative and experimental expense

Year 1999	RM	105,067.63
Year 2000	RM	2,331,637.45
Year 2001	RM	1,242,953.46
Year 2002	RM	984,557.67 (planned)
Total in Year 1999 - 2002	RM	4,664,216.21

(equivalent to approximately USD 1,227,425)
 (conversion rate: USD1.00 = RM 3.8)

(2) Inputs from Malaysian side

Inputs allocated for the Project from Malaysia are as follows:

a) Land, buildings and facilities at the project site

Land: Approximately 63 ha of forest land for experimental sites
 Approximately 0.1 ha of land for project office and garage
 Office: Office (616 m²) and garage (136 m²) (Constructed by JICA)
 Nursery: Approximately 1.3 ha of nursery and nursery facilities (456 m²)
 (Constructed by JICA)

b) Allocation of counterpart

Part-time officer: 9

c) Fuel and utilities

Fuel for vehicles and utilities for the office (included in d).

d) Administrative and experimental expense

Year 1999 RM 202,784.63

Year 2000 RM 298,197.38

Year 2001 RM 199,820.07

Year 2002 RM 400,000.00 (planned)

Total in Year 1999 - 2002 RM 1,100,802.08

(equivalent to approximately USD 289,685)

(conversion rate: USD1.00 = RM 3.8)

5-2 Activity

Each evaluation for activities is shown in Accomplishment Grid (ANNEX 2). The contents of project activities are as follows:

(1) Data Collection of Multi-storied Forest Management Project (MSFP)

(1-1) Monitoring of Plots

- Mean Annual Increment
- Current Annual Increment
- Basal Area / Volume

(1-2) Silvicultural Practices

(1-3) Improved Management Model

- Refinement
- Timber market survey

(2) Species Trial

- Growth rate survey and analysis
- Survival rate survey and analysis

(3) Silvicultural Trial

- Growth rate survey and analysis
- Survival rate survey and analysis

(4) Additional Activities

- Nursery experiments
- Fertilizer application trial
- Agroforestry trial
- Demonstration plantation of Identified species by Phase I and II
- Other supplemental trials to improve plantation techniques

- (5) Data Collection for Management Model
 - (5-1) Timber market survey
 - (5-2) Private forest plantation survey
 - (5-3) Economic analysis of forest plantation

- (6) Dissemination
 - (6-1) Publication of technical reports
 - Integrated report
 - Silvicultural manual
 - (6-2) Seminar / Workshop
 - (6-3) Training Course / Technical transfer

5-3 Output

Each evaluation for output is shown in Accomplishment Grid (ANNEX 2). The results of output are as follows:

- (1) Data Collection of Multi-Storied Forest Management Project (MSFP)
 - 1 Growth data report combined with photo collection of plantation
 - 1 Growth analysis report for refinement of management model
 - 4 Study reports on growth performance of tree species planted
 - 4 Seminar papers
 - 1 Timber market survey report
 - 1 Silvicultural manual
 - Raw growth data of each tree species were attached for further research

- (2) Selection of promising fast-growing species
 - 1 Report on species trial
 - 2 Technical reports on selection of tree species and preparation of planting stocks
 - 2 Technical reports on nursery experiments
 - 2 Seminar papers
 - 1 Establishment of demonstration forest of the 5 identified tree species
 - Some advices were provided to inquiries from private companies
 - Raw growth data of each tree species were attached for further research

- (3) Development of an effective silvicultural method
 - 1 Report on silvicultural trial
 - 1 Silvicultural manual (same as the one stated above in (1))
 - 2 Technical reports on silvicultural technique improvement
 - 1 Seminar paper



- Some advices were inquired from private companies
- Raw growth data of each tree species were attached for further research

(4) Collection of the relevant data for plantation management

- 1 Technical report on economic analysis of forest plantation
- 1 Technical report on intercropping species
- 1 Timber market survey report (same as the one stated above in (1).)
- 1 Private forest plantation survey report
- 3 Seminar papers

(5) Increased number of trained staff of FDPMP in the management of forest plantation.

- 5 Counterparts participated in short-term trainings in Japan
- 31 Officers participated in nursery workshop.

6. EVALUATION WITH 5 CRITERIA (see ANNEX 3 for the detailed evaluation)

6-1 Relevance

The project is highly relevant to the target of Malaysian national policy, needs of FDPMP, and needs of the private sector.

6-2 Effectiveness

The achievements are as follows; (1) most of the anticipated outputs are accomplished, (2) the formulation of guidelines for small-scale plantation is in progress, and (3) the final report has been prepared. Thus, the project purpose will be accomplished when the sufficient data had been collected.

6-3 Efficiency

The project's inputs were efficient in terms of their quantity, quality and timing for achieving the anticipated outputs.

6-4 Impact

The Project has created interests among private sector in forest plantation development. The overall goal is expected to be achieved through the development and extension of the new plantation guidelines.

6-5 Sustainability

In terms of institutional, financial and technological aspects, it can be concluded that the Project is expected to be sustained.

7. RESPONSES TO THE RECOMMENDATIONS FROM THE MID-TERM MONITORING

- 7-1 On the recommendation of the Mid-term Monitoring mission team, Japanese side has been seeking the way to assist the post-project research activities.
- 7-2 Also, Malaysian side has been making effort to allocate the appropriate amount of budget to continue the research activities.

8. CONCLUSION AND RECOMMENDATIONS

8-1 Conclusion

The Project vigorously conducted activities for the development of suitable techniques for tree plantation management with fast-growing species, e.g. species trials, silvicultural trials, data collection and analysis, and socio-economic studies, under cooperation between Japanese experts and Malaysian counterparts. Each output expected in the R/D has mostly been achieved and it can be considered quite satisfactory, particularly taking into consideration of the three(3)-year duration and numerous field experiments. The collected and compiled data on the survival rate and the growth of a variety of indigenous species are especially precious and will be of great use, not only for Malaysia but also other nations having the similar environment.

On the other hand, continuation of certain research activities will be necessary in order to attain the project purpose, as the effect of several silvicultural methods, for example, are yet to be confirmed. However, a basis for the further research leading to the project purpose has sufficiently been established by the Project.

Such continuous research will be carried out by Malaysian agencies. Furthermore, Malaysian agencies have sufficient capacity in knowledge and techniques for this research work, to which the cooperation and technical transfer under the Project have contributed. The development of forest plantation management guidelines and their broad dissemination after the completion of the additional research will enhance the private sector to expand their investment in the forestry sector, hence the overall goal would be achieved in the future.

The Team has, therefore, concluded that it is appropriate to terminate the Project as scheduled in the R/D as both governments have implemented their commitments satisfactorily.

8-2 Recommendations

The following items are recommended by the Team as a result of a series of discussions.

- (1) To provide sufficient budget and manpower necessary for conducting post-project activities by Malaysian agencies.
- (2) To source local and international assistance to assist in the post-project activities as and when necessary.
- (3) The Government of Japan to make efforts for assisting the post-project activities to possible extent if requested by the Government of Malaysia.
- (4) To properly manage the scientific data collected and compiled under the Project.
- (5) To continue the sharing of data and reports produced by the Project
- (6) To disseminate the Project information in FDPMP and JICA websites and other media.
- (7) To invite private sector's participation in collaborative research for the post project activities.

Accomplishment Grid

Category	Indicators	Source of Information	Method	Evaluation
Input	(Japanese side)			
	J-1. Japanese experts			
	J-1.1 Amount	Personnel input records sheet	Based on the sheet, to confirm as to whether the input was carried out to satisfy its planned amount.	With 5 long-term experts for 3 years, and several short-term experts, the amount of personnel input of J/E is satisfactory.
	J-1.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of input.	Although the dispatch of some long-term experts were delayed due to the conflicts of R/D amendment, there was not much difficulties for the project implementation. The taking over of activities from MSFP project experts to the current experts was sufficiently conducted.
	J-2. Counterpart's training in Japan			
	J-2.1 Amount	Personnel input records sheet	Based on the sheet, to confirm as to whether the input was carried out to satisfy its planned amount.	Since 1999, 5 C/Ps have been trained in Japan, although the training of 2002 was planned in the annual work plan, it was canceled because of the budget constraints.
	J-2.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of training.	From the feedback, the parties concerned expressed satisfaction on the timing and quality of training in Japan.
	J-3. Financial inputs (provision of machinery and facilities, administrative experimental expenses)			
	J-3.1 Amount	Equipment records, C/P, J/E	Based on the record, to confirm as to whether the input was carried out to satisfy the project's necessity, and to check the present condition of them.	Total amount of USD 1,344,770 valued equipments and experiments were provided and it satisfied the project needs.
	J-3.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of equipment input	From the feedback, the parties concerned expressed satisfaction on the timing and quality of equipment from Japan.
	(Malaysian side)			
	M-1. Land, buildings and facilities at the project sites			
	M-1.1 Amount	Field Survey	To confirm as to whether the necessary input was carried out, and to check the present condition of them.	All items such as land, building, and other facilities needed to implement the project were adequately provided except the unexpected minor site change because of the double tracking railway realignment.
	M-1.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of preparation of land, buildings, and facilities.	The preparation of alternative land mentioned above for setting the project's experiment sites was somewhat delayed, although it did not affect the project implementation.
	M-2. Allocation of C/P			
	M-2.1 Amount	Personnel input records sheet of Malaysia side	Based on the sheet, to confirm as to whether the input was carried out to satisfy its planned amount.	9 C/Ps have been participating in this project as shown in ANNEX 4.
	M-2.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of personnel input from Malaysian side.	From the feedback, the parties concerned expressed satisfaction on the quality and timing of the C/P, while some pointed out that it would be better for locating full-time C/Ps.
	M-3. Tools and other materials			
	M-3.1 Amount	C/P, J/E.	Based on the records, to confirm as to whether the input was carried out to satisfy the project's needs, and to check the present condition of them.	All expected items, seedlings, costs of fuel, electricity, water, and telecommunication fee, were adequately provided.

M-3.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the quality and timing of input from Malaysian side.	From the feedback, the parties concerned expressed satisfaction on facilities and services provided.
M-4. Administrative and experimental expenses and activities.			
M-4.1 Amount	C/P, J/E	Based on hearing and interviews, to confirm as to whether the necessary input was carried out.	Total amount of USD 289,685 was provided, and there were enough activities including forming the new Management Team Meeting to administer the project more effectively.
M-4.2 Quality and Timing	C/P, J/E	Question about the degree of satisfaction of C/P and J/E about the timing	From the feedback, the parties concerned expressed satisfaction on the quality and timing of financial inputs.
Final Evaluation Inputs from both sides were satisfactory, even though the change of the experimental site was unavoidable.			
Activities	1 Data Collection of Multi-storied Forest Management Project (MSFP)		
1-1. Monitoring plots of MSFP	Field survey, C/P, J/E	Field survey was conducted by the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	Enumeration activities were carried out accordingly.
1-2. Implementing silvicultural practices	Field survey, C/P, J/E	Field survey was conducted by the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	The planned level of this activity has been partly achieved as only weeding was carried out for the listed silvicultural practices because of the limited available data.
1-3. Producing improved multi-storied forest management model	Field survey, C/P, J/E	Field survey was conducted by the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	The revision of the model is premature because of the limited available data.
2. Species trial : Growth rate survey and survival rate survey	Field survey, C/P, J/E	Field survey was conducted by the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	The planned level of this activity has been achieved completely.
3. Silvicultural trial : Growth rate survey and survival rate survey	Field survey, C/P, J/E	Field survey was conducted by a member of the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	The planned level of this activity has been achieved completely.
4. Additional activities (Nursery experiments, Fertilizer application trial, Agroforestry trial, Establishment of demonstration plantation of Identified species by MSFP phase I & II)	Field survey, C/P, J/E	Field survey was conducted by the evaluation study team. Other results were confirmed by hearing of C/P and J/E at the evaluation meeting or by reports of the project.	Additional activities were conducted on the request of Project Joint Committee Meeting.
5. Data Collection for Management Model			
5-1. Timber market survey	C/P, J/E	C/P and J/E were interviewed about the report.	From the feedback, the survey was successfully completed and the report is being finalized.
5-2. Private forest plantation survey	C/P, J/E	C/P and J/E were interviewed about the report.	From the feedback, the survey was successfully completed.
5-3. Economic analysis of forest plantation	C/P, J/E	C/P and J/E were interviewed about the report.	From the feedback, the survey was successfully completed and incorporated into the final report.

6. Dissemination				
6-1.	Publication of technical reports	Draft of final reports, documents, C/P, J/E	Reports and related documents were examined by the Team. Also, C/P and J/E were interviewed.	The reports were well prepared and they are currently being printed.
6-2.	Implementing seminar/workshop	C/P, J/E	C/P and J/E were interviewed, and the Team participated in the seminar on 17 September.	A seminar to disseminate the project's achievements was successfully conducted. C/P and J/E also made presentations about the Project findings at some other seminars, and organized several small workshops.
6-3.	Providing training course and technical transfer	C/P, J/E	C/P and J/E were interviewed.	Both parties were satisfied with technical transfer and training programs conducted.
Final Evaluation Main activities have been conducted satisfactorily, while some sub-activities have remained to be carried out.				
Outputs				
1.	Data collection of Multi-Storied Forest Management Project (MSFP)	Reports, C/P, J/E	Reports and related documents were examined by the Team. Also, C/P and J/E were interviewed.	The data collection was carried out accordingly. This activity needs to be continued until full rotation.
2.	Selection of promising fast-growing species	Reports, C/P, J/E	Reports and related documents were examined by the Team. Also, C/P and J/E were interviewed.	Based on the results, several potential species were identified, although the finding needs further confirmation.
3.	Development of an effective silvicultural method	Reports, C/P, J/E	Reports and related documents were examined by the Team. Also, C/P and J/E were interviewed.	Cost effectiveness of weeding has been determined. However, further observation is needed for the spacing trial.
4.	Collection of the relevant data for plantation management	Reports, C/P, J/E	Reports and related documents were examined by the Team. Also, C/P and J/E were interviewed.	According to the reports, this output has been achieved successfully.
5.	Increased number of trained staff of FDPM in the management of forest plantation.	C/P, J/E	C/P and J/E were interviewed.	According to the feedback, this output has been achieved soundly. Seminars by short-term experts and a nursery workshop have contributed to this output.
Final Evaluation Most of the anticipated outputs were achieved, however, further observation is needed to enhance the findings.				

* Abbreviation

- 1 "C/P" = Counterpart
- 2 "J/E" = Japanese expert
- 3 "FDPM" = Forestry Department Peninsular Malaysia

Evaluation Grid

	Indicators	Source of Information	Method	Evaluation
Relevance	1. Relevance of the Project to Malaysian government's national policy	C/P, J/E	To ask as to whether the project is still meaningful along with the current national policy.	The project is meaningful and relevant to the current government policy on sustainable forest management and forest plantation development.
	2. Relevance of the Project to the needs of Forestry Department Peninsular Malaysia (FDPM)	C/P, J/E	To ask as to whether the project is still meaningful for the current situation of FDPM	The project is meaningful and relevant to the current needs of FDPM in developing efficient techniques for forest plantation management.
	3. Relevance of the Project to the needs of private sector in establishing and managing plantation in Malaysia.	C/P, J/E	To ask as to whether the project is still meaningful for the private sector	The project is meaningful and relevant to the current needs of the private sector in investing and managing forest plantation in Malaysia.
	Final Evaluation The project is highly relevant to the target of Malaysian national policy, needs of FDPM, and needs of the private sector.			
Effectiveness	1. Output accomplishment	Accomplishment grid	To confirm the contents of all outputs	Most of the anticipated outputs were achieved, however, further observation is needed to enhance the findings.
	2. Achievement to the project purpose	Accomplishment grid, C/P, J/E	To confirm whether the project purpose has been achieved or expected to be achieved, and to what extent.	The project purpose has been fairly achieved by collecting and analyzing enormous amount of data, training, and publishing the reports. The continuation of the project activities is required to fully attain the purpose.
	Final Evaluation The achievements are as follows; (1) most of the anticipated outputs are accomplished, (2) the formulation of guidelines for small-scale plantation is in progress, and (3) the final report has been prepared. Thus, the project purpose will be accomplished when the sufficient data had been collected.			
Efficiency	1. Input Accomplishment	Accomplishment Grid	To confirm with the Accomplishment Grid	Inputs from both sides were satisfactory, even though the change of the experimental site was unavoidable.
	2. Efficiency			
	2-1. Comparison of output with input	C/P, J/E	To confirm as to whether the quantity and the quality of inputs can be justified by comparison of outputs.	Inputs were adequate for achieving anticipated outputs.
	2-2. Any linkage with other type of cooperation which promote the efficiency	C/P, J/E, JICA staff	To check any cooperation with such as grant from overseas or other projects in Malaysia?	Technical exchanges were conducted with other relevant agencies. A collaborative study was initiated with JICA project in Indonesia.
Final Evaluation The project's inputs were efficient in terms of their quantity, quality and timing for achieving the anticipated outputs.				
Impact	1. Possibility to accomplish the Overall Goal of the Project.	C/P, J/E	To ask and study as to whether the overall goal of the project seems to be met eventually.	The overall goal can be achieved provided that the efficient plantation management guidelines be developed and properly disseminated.

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	2 The changes accrued from the project which the relevant parties feel or think.	C/P, J/E	To ask the relevant parties to describe freely as to what and how the project bring any change around the area, forestry in Malaysia, etc.	The project stimulated interests amongst relevant parties as shown from a number of requests for the project information, visits and the participation in seminars.
Final Evaluation The Project has created interests among private sector in forest plantation development. The overall goal is expected to be achieved through the development and extension of the new plantation guidelines.				
Sustainability	1. Institution	C/P, J/E	To check the capability of FDPM to continue the research works after the end of this project.	FDPM and FRIM are confident and willing to continue the Project.
	2. Finance	C/P, and other related organization of Malaysian side	To check whether Malaysian side can afford the cost of research activities	Malaysian government will provide the funding for project activities.
	3. Technology	C/P, J/E	To check as to how C/P are about to share and use the acquired technology in the organization.	Malaysian side is confident to continue the research activities.
	Final Evaluation In terms of institutional, financial and technological aspects, it can be concluded that the Project is expected to be sustained.			

* Abbreviation

- 1 "C/P" = Counterpart
- 2 "J/E" = Japanese expert
- 3 "FDPM" = Forestry Department Peninsular Malaysia
- 4 "FRIM" = Forest Research Institute Malaysia




Malaysian counterpart officers

Position	Name	Duration
Project Manager	Y. Bhg. Dato' Azahar bin Muda	Nov. 1, 1999 -
Coordinator	Nik Mohd. Shah bin Nik Mustafa	Nov. 1, 1999 -
Silviculturist I	Samsudin bin Salleh Zainal bin Jain	Nov. 1, 1999 – Feb.1, 2000 Feb. 1, 2000 -
Silviculturist II	Che Aziz bin Ali	Nov. 1, 1999 -
Forest Management Officer	Ismail bin Katim Rosilan bin Said Lim Kee Leng	Nov. 1, 1999 – Apr. 1, 2000 Oct. 25, 2000 - Jan. 1, 2002 -
Position	Name	Duration
Forest Engineer	Mohd. Hassan bin Harun	Nov. 1, 1999 -
HQ Coordinator	Chin Tuck Yuan Thai See Kiam	Nov.1, 1999 – May 1,2001 May 1, 2001 -
District Coordinator (South Perak)	Azam bin Daud Salim bin Ali	Nov. 1, 1999 – Feb.1, 2000 Feb. 1, 2000 -
District Coordinator (Central Perak)	Sheikh Abu Bakar bin Ahmad Ridzuan bin Salleh	Nov. 1, 1999 - June 1, 2000 June 1, 2000 -

* Currently, two Forest Management Officers are allocated.

Expenditure for the project by the Government of Malaysia (RM)

Year 1999	Year 2000	Year 2001	Year 2002	Total
202,784.63	298,197.38	199,820.07	400,000.00	1,100,802.08

Expenditure for the project by the Government of Japan (RM)

	Year 1999	Year 2000	Year 2001	Year 2002	Total
Provision of machinery and facilities	0	15,338.00	430,574.60	0	445,912.60
Administrative and experimental expense	105,067.63	2,331,637.45	1,242,953.46	984,557.67	4,664,216.21
Total	105,067.63	2,346,975.45	1,673,528.06	984,557.67	5,110,128.81

Japanese Experts

Long-term experts	Name	Duration
Team Leader	Susumu SAKAMOTO Keizo EMORI	Nov.1, 1999 – Mar. 31, 2000 Feb. 21, 2000 - Oct. 31, 2002
Coordinator	Kenji KIKUCHI Hiroshi YOSHIDA	Nov. 1, 1999 - Oct. 31, 2000 Oct. 1, 2000 - Oct. 30, 2002
Silviculturist I	Kaori ITO Yasunori FUJIHARA	Nov. 1, 1999 - Mar. 21, 2000 Feb. 21, 2000 - Oct. 31, 2002
Silviculturist II	Yuzuru KIMURA Takuya HOMMA	Nov. 1, 1999 - July 7, 2000 June 27, 2000 – Oct.31, 2002
Forest Management	Yoichiro AKIOKA Hiroshi NAGAI	Nov. 1, 1999 - Mar. 21, 2000 Feb. 21, 2000 – Oct.31, 2002
Short-term experts	Name	Duration
Nursery	Toshiaki ENDO	Mar. 21 - Apr. 17, 2000
Vegetation survey	Takuya KAJIMOTO Tatsuya OTANI	Apr. 8 - 24, 2000 Apr. 19 - May 16, 2000
Soil survey	Hisao SAKAI	Nov. 5 - Dec. 2, 2000
Growth analysis	Naoto MATSUMURA	June 5 - July 1, 2001
Soil survey	Hisao SAKAI	Nov. 15 - Dec. 13, 2001
Silviculture manual	Yosuke MATSUMOTO	Nov. 26 - Dec. 13, 2001
Survival & growth analysis	Tatsuya OTANI	Jan. 5 – Feb. 2, 2002
Site environment evaluation	Shiro OKUDA	Jan. 10 – Feb. 23, 2002
Timber market research	Akihiko ARAYA	March 5 – 20, 2002
Contracted local experts	Name	Duration
Private forest plantation	Lim Hin Fui	Dec. 2002 – Aug. 2002

survey	Norini Haron Woon Weng Chuen Baskaran Krishnapillay	
Timber market survey	Norini Haron Lim Hin Fui Woon Weng Chuen	Mar. 2002 – Sep. 2002

Counterparts Training in Japan

Course	Name	Duration
Forest management	Mat Rani bin Saud	Nov. 14, 2000 – Nov. 23, 2000
Forest management	Syed Azahar bin Muhammed Masri	Nov. 14, 2000 – Nov. 23, 2000
Forest management	Mohamed Ismal	Nov. 14, 2000 – Nov. 23, 2000
Joint training course of JICA forestry projects.	Zainal bin Jain	Aug. 27, 2001 – Sep. 29, 2001
Joint training course of JICA forestry projects	Salim bin Ali	Aug. 27, 2001 – Sep. 29, 2001

Local Officer Allocation

Position	Number
Secretary	2
Clerk	1
Forest Road and Machinery Maintenance Unit	2
Assistant of Silviculturist I	1
Assistant of Silviculturist II	1
Assistant of Forest Management Expert	1
Assistant of Multi-storied Forest Survey	1
Driver	1
Office Keeper	1
Total	11

Mission Dispatched from Japan

1. Implementation survey team (October 5 - 15, 1999)

Mr. Yoshimitsu NISHITANI

Leader, Ministry of Agriculture,



- | | | |
|--|-------------------------|---|
| | Mr. Toshinori MITSUNAGA | Forestry and Fisheries (MAFF) |
| | Mr. Keizo EMORI | Cooperation Planning, MAFF |
| | Dr. Yutaka MARUYAMA | Forest management, MAFF |
| | | Silviculture, Forestry and Forest Products Research Institute (FFPRI) |
| | Mr. Fumio IMAI | Coordinator, JICA |
2. Technical advisory team (January 13 - 22, 2000)
- | | | |
|--|-------------------|----------------------------|
| | Mr. Keizo EMORI | Leader, MAFF |
| | Mr. Toyoji IMAI | Cooperation Planning, MAFF |
| | Mr. Tomoki HIROTA | Forest management, MAFF |
| | Dr. Yasuo OSUMI | Silviculture, FFPRI |
| | Mr. Tetsuhiro IKE | Coordinator, JICA |
3. Interim evaluation team (October 2-12, 2001)
- | | | |
|--|-----------------------|----------------------------|
| | Mr. Satoshi Asano | Leader, JICA |
| | Mr. Koji Ueda | Planning management, MAFF |
| | Dr. Shobu Sakurai | Silviculture, FFPRI |
| | Mr. Yoshiyuki Shimada | Cooperation planning, MAFF |
| | Ms. Asako Takimoto | Coordinator, JICA |
4. Final evaluation team (September 11-21, 2002)
- | | | |
|--|---------------------|--------------------------|
| | Mr. Toshihiro Shima | Leader, MAFF |
| | Dr. Kaoru Niiyama | Silviculture, FFPRI |
| | Ms. Asako Takimoto | Project Management, JICA |

Research papers and articles written by Japanese Experts and Malaysian Counterparts

- 1) Reports of Short-term Experts (combined in the final project report)
 1. Preliminary Vegetation Survey at Experimental Sites in Bikam and Chikus
 2. Chemical Properties of Surface Soil in Chikus C, Bukit Tapah and Bikam
 3. Estimation of the Effect of the Fertilization in the Forest Plantation Experimental Sites in Chikus and Bukit Tapah
 4. Growth Analysis of Forest Plantation Using Selected Tree Species Identified in Phase I/II in Hill and Lowland Degraded Forests, Peninsular Malaysia
 5. Analysis on the Growth Performance of Trees Experienced Various Silvicultural Treatments in Five Research Sites; Bukit Tapah, Bikam, Chikus C1, C2, and D
- 2) Activity Reports of Long-term experts and Counterparts (combined in the final project

report)

1. Selection of Tree Species and Preparation of Planting Stocks for the SSFP Project
2. Stem Cutting of *Shorea ovalis* with Various Mediums of Cutting Bed
3. A Note on Coppicing Experiment of Overgrown Seedlings of Some Dipterocarp Species
4. Exhibition Forest of Five Target Species identified in MSFP Project (Chikus Block E)
5. Report on Fertilizer Application
6. Report on Miscellaneous Trials (Ploughing, Charcoal Application, Lowered Planting Level and Planting Method Trials)
7. Trial Plantation of *Eurycoma longifolia* (Tongkat ali)
8. A Note on Initial Growth and Survival of Extra 14 Species Planted in Extra Plots (Arboretum) in Chikus Block C2
9. The Survival and Growth of *Shorea parvifolia* Planted at Disturbed Sites of a Logged-over Hill Forest in Bukit Kinta F.R., Perak
10. An Evaluation of Growth for *Dipterocarpus baudii*, *Shorea leprosula*, *Shorea macroptera* and *Shorea curtisii* 72 Months after Planting in Bukit Kinta Forest Reserve, Perak Darul Riduan
11. Establishment Technique of *Shorea macroptera* and *Shorea pauciflora* in a Logged-over Forest
12. Establishment Technique of *Shorea leprosula*, *Shorea parvifolia* and *Neobalanocarpus heimii* Plantations
13. Report on silvicultural trial
14. Report on species trial
15. Economic analysis of forest plantation

3) Presentation of Research Papers

1. A technical paper entitled "The survival and growth of *Shorea parvifolia* planted at disturbed sites of a logged-over hill forest in Bukit Kinta, F.R., Perak" was presented by Dr Ang Lai Hoe in the Malaysian Science and Technology Congress 2000 held in September 2000 in Kota Kinabalu, Sabah.

2,3 Mr. Hiroshi Nagai and Mr. Yasunori Fujihira presented technical papers entitled "Establishment technique of *Shorea leprosula*, *Shorea parvifolia* and *Neobalanocarpus heimii* plantations" and "Establishment technique of *Shorea macroptera* and *Shorea pauciflora* in a logged-over forest" respectively in the International Conference of Forestry and Forest Products Research 2001 held in October 2001 in Kuala Lumpur.

4 A technical paper entitled "An evaluation of growth for *Dipterocarpus baudii*, *Shorea leprosula*, *Shorea macroptera* and *Shorea curtisii* 72 months after planting in Bukit Kinta Forest Reserve, Perak Darul Ridzuan" prepared by Mr. Yasunori Fujihira, Mr. Ridzuan Salleh and Haji Zainal Jain was delivered as an information

paper at the 13th Malaysia Forestry Conference held in Johor Bahru from 20th to 25th August 2001.

- 5 Mr. Takuya Honma, Mr. Che Aziz bin Ali and Haji Salim bin Ali presented a technical paper entitled "Initial growth and survival of fast-growing indigenous tree species in Chikus, Perak, Malaysia" in the 13th Malaysia Forestry Conference held in Johor Bahru from 20th to 25th August 2001.

4) Final Reports

1. Integrated Report "Small Scale Fast-growing Forest Plantation Project in Malaysia (1999-2002). 500pages
Forestry Department Peninsular Malaysia, Perak State Forestry Department, Japan International Cooperation Agency, October 2002
2. Record of Multi-Storied Forest Management Project in Malaysia (Photographs and growth data). 230pages
3. Market Prospects of Fast Growing Timber Plantation Species in Peninsular Malaysia. 150pages
Prepared by Norini Haron, Lim Hin Fui, and Woon Weng Chuen
Forest Research Institute Malaysia, Japan International Cooperation Agency, September 2002
4. The Socio-economic Aspects of Private Forest Plantations in Peninsular Malaysia. 150 pages Prepared by Lim Hin Fui, Norini Haron, Woon Weng Chuen, and Baskaran Krishnapillay.
Forest Research Institute Malaysia, September 2002.
5. Forest Planatation for the Future: A record of The Multi-Storied Forest Management Project in Malaysia and The Small-Scaled Fast-Growing Forest Plantation Project in Malaysia 200pages
Forestry Department of Peninsular Malaysia, Perak State Forestry Department, and Japan International Cooperation Agency, September 2002.

2. 合同運営委員会議事録



IBU PEJABAT PERHUTANAN
SEMENANJUNG MALAYSIA
(FORESTRY DEPARTMENT HQ)
JALAN SULTAN SALAHUDDIN
50660 KUALA LUMPUR

Telefon : 03-26988244 Fax : 603-26925657 Homepage : <http://www.forestry.gov.my>

Ruj. Tuan : JH/201.2.3JLD.1/(31)

Ruj. Kami : 1 October 2002

Tarikh :

Director General,
Agriculture Section,
Economic Planning Unit,
Block B6, Prime Minister's Department,
Federal Government Administrative Centre,
62502 PUTRAJAYA, SELANGOR.
(Attn: Mr. Lai Sai Mai)

Secretary General,
Ministry of Primary Industries,
Tingkat 6-8, Menara Dayabumi,
Jalan Sultan Hishamuddin,
50654 KUALA LUMPUR.
(Attn: Mr. Ahmad Rizal bin Khalit)

Director General,
Forest Research Institute Malaysia,
Kepong, 52109 KUALA LUMPUR.
(Attn: Y.Bhg Dato' Dr. Wan Razali bin Wan Mohd,
Dr. Ang Lai Hoe)

Embassy of Japan,
No. 11, Pesiaran Stonor,
off Jalan Tun Razak,
50450 KUALA LUMPUR.
(Attn: Mr. Kazotoshi Aikawa,
Mr. Takashi Yamazaki)

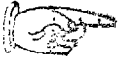
Resident Representative,
Japan International Cooperation Agency,
Suite 29.03, Level 29, Menara Citibank,
165 Jalan Ampang,
50450 KUALA LUMPUR.
(Attn: Mr. Juichiro Sasaki,
Mr. Kanehiro Kawakami)

Y. Bhg. Dato' Azahar bin Muda,
Director of Forestry,
Perak State Forestry Department,
Jalan Panglima Bukit Gantang,
30000 IPOH, PERAK.

Mr. Thai See Kiam,
Forestry Department Headquarters,
Jalan Sultan Salahuddin,
50660 KUALA LUMPUR.



Warisan Hutan Kekal Berzaman
(Sila nyatakan rujukan Jabatan ini apabila berurusan)



JICA Experts,
FD/JICA Project Office,
Kompleks Perhutanan Bidor,
Jalan Teluk Intan,
35500 BIDOR, PERAK.
(Attn: Mr. Keizo Emori,
Mr. Hiroshi Yoshida,
Mr. Hiroshi Nagai,
Mr. Yasunori Fujihara and
Mr. Takuya Homma)

Director of Forestry,
Perak State Forestry Department,
Jalan Panglima Bukit Gantang,
30000 IPOH, PERAK.
(Attn: Mr. Nik Mohd. Shah bin Nik Mustafa,
Mr. Lim Kee Leng, and
Hj. Zainal bin Jain)

Hj. Salim bin Ali,
Pegawai Hutan Daerah,
Perak Selatan,
35000 TAPAH, PERAK.

Mr. Che Aziz bin Ali,
Kompleks Perhutanan Bidor,
Jalan Teluk Intan,
35500 BIDOR, PERAK.

Dear Sir,

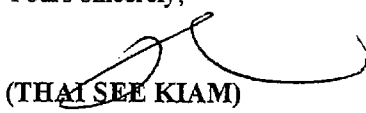
Minutes of the Fourth Meeting of the Project Joint Committee for the Small Scale Forest Plantation Project Using Fast-Growing Tree Species Identified In Phase I And II

May I respectfully refer to the above Meeting which was held on 19 September 2002 at the Forestry Department Headquarters, Kuala Lumpur.

2 Please find enclosed a copy of the Minutes of the said Meeting for your perusal and necessary further action.

Thank you.

Yours sincerely,


(THAI SEE KIAM)
for Director-General of Forestry,
Peninsular Malaysia.

s.k: Y. Bhg. Datuk KPPSM,
Y. Bhg. Dato' TKPP,
Tuan TK (O),
Tuan TK (P)

**MINUTES OF
THE FOURTH MEETING OF THE PROJECT JOINT COMMITTEE (PJC)
FOR THE SMALL SCALE FOREST PLANTATION PROJECT USING
FAST-GROWING TREE SPECIES IDENTIFIED IN PHASE I AND II**

Date : 19.09.2002 (Thursday)
Time : 9.30 a.m.
Venue : Main Meeting Room,
Forestry Department Headquarters,
Kuala Lumpur.

Committee Members

1. Y. Bhg. Datuk Zul Mukhshar bin Dato' Md. Shaari, - Chairman (CM)
Director General of Forestry, Peninsular Malaysia,
Forestry Department Headquarters.
2. Mr. Shaharuddin bin Mohamad Ismail - DDG(O)
Deputy Director General of Forestry, (Forest Operation),
Peninsular Malaysia,
Forestry Department Headquarters.
3. Y. Bhg. Dato' Azahar bin Muda, (Project Manager) - PMP
Director of Forestry,
Perak State Forestry Department.
4. Mr. Lai Sai Mai, - EPU
Principle Assistant Director,
Economic Planning Unit,
Prime Minister's Department.
5. Mr. Ahmad Rizal bin Khalit, - MPI
Assistant Secretary,
Ministry of Primary Industries, Malaysia.
6. Y. Bhg. Dato' Dr. Wan Razali bin Wan Mohd, - FRIM
Deputy Director General,
Forest Research Institute Malaysia,
7. Mr. Thai See Kiam, (Project Coordinator HQ), - PCHQ
Director of Forest Management,
Forestry Department Headquarters.
8. Mr. Juichiro Sasaki, - JICAKL(1)
Deputy Resident Representative,
JICA Malaysia Office.
9. Mr. Keizo Emori, - CAJICA
Chief Adviser,
FD/JICA SSFP Project.

- | | | |
|-----|--|----------|
| 10. | Mr. Hiroshi Yoshida,
Coordinator,
FD/JICA SSFP Project. | - COJICA |
| 11. | Mr. Hiroshi Nagai,
Forest Management Expert,
FD/JICA SSFP Project. | - JEFM |
| 12. | Mr. Yasunori Fujihira,
Silviculturist I,
FD/JICA SSFP Project. | - JES(1) |
| 13. | Mr. Takuya Homma,
Silviculturist II,
FD/JICA SSFP Project. | - JES(2) |

Also Present

- | | | |
|-----|--|-------------|
| 14. | Mr. Kazotoshi Aikawa,
Counsellor (Economic),
Embassy of Japan. | - EOJ (1) |
| 15. | Mr. Takashi Yamazaki,
Second Secretary,
Embassy of Japan. | - EOJ (2) |
| 16. | Mr. Toshihiro Shima,
Japanese Final Evaluation Team Leader. | - JFET(L) |
| 17. | Mr. Kaoru Niiyama,
Japanese Final Evaluation Team Member. | - JFET(1) |
| 18. | Ms. Asoko Takimoto,
Japanese Final Evaluation Team Member. | - JFET(2) |
| 19. | Mr. Kanehiro Kawakami,
Aid Coordinator,
JICA Malaysia Office, | - JICAKL(2) |
| 20. | Dr. Ang Lai Hoe,
Senior Research Officer,
Forest Research Institute Malaysia. | - FRIM (1) |
| 21. | Mr. Nik Mohd. Shah bin Nik Mustafa,
Deputy Director (Forest Development),
Perak State Forestry Department. | - PCP |
| 22. | Mr. Che Aziz bin Ali,
Assistant Forest Plantation Officer,
Perak State Forestry Department. | - AFPO |
| 23. | Hj. Salim bin Ali,
District Forest Officer, South Perak,
Perak State Forestry Department. | - DFO |

24. Mr. Lim Kee Leng, - ADPM
Assistant Director (Planning and Management),
Perak State Forestry Department.
25. Hj. Zainal bin Jain, - ADSP
Assistant Director (Silviculture and Protection),
Perak State Forestry Department.

Secretariat

26. Mr. Yap Yee Hwai, - IO
International Officer,
Forestry Department Headquarters.
27. Ms. Rosmawati binti Yakob, - SEC
Secretary,
FD/JICA SSFP Project.

1.0 WELCOMING REMARKS

- 1.1 The Chairman (CM) welcomed all members to the meeting and especially to the Project Joint Evaluation Team Members comprised of Mr. Toshihiro Shima, Dr. Kaoru Niiyama and Ms. Asako Takimoto for the Government of Japan (GOJ) and Mr. Lai Sai Mai, Dr. Ang Lai Hoe and Mr. Thai See Kiam for the Government of Malaysia (GOM).
- 1.2 The CM informed the meeting that with the Project coming to a close at the end of October 2002, this meeting would also be the last meeting for the Project. He reaffirmed that the Forestry Department would endeavour to continue with the good work undertaken by the Project, as the GOM had allocated RM1.8 million under the Eighth Malaysia Plan (2001-2005).
- 1.3 He thanked JICA for the continue support and funding, as well as providing long- and short-term experts, in which their technical expertise had contributed significantly towards the success of the Project.
- 1.4 He also hoped that the results achieved so far under this Project would serve as an encouragement and guidance to the private sectors who have expressed interest in the establishment of small scale forest plantation.

2.0 CONFIRMATION OF MINUTES OF THE THIRD MEETING

- 2.1 The minutes of the Third Project Joint Committee Meeting were confirmed with the following amendments:-
- (i) page 6, para 6.2 – line 2 from “JICA would be restructured” to “JICA budget would be restructured”, and

- (ii) page 6, para 6.2 – line 6 from “funding from the GOJ would only be made available after 1 April 2002” to “funding from the GOJ would only be made available until Japanese fiscal year 2002”.

3.0 MATTERS ARISING

3.1 Silvicultural and Species Trials

Under Silvicultural trials, a total of 44 ha consisting of 238 plots have been established in Chikus and Bukit Tapah Forest Reserves. The establishment of Species trials were located in Chikus and Bikam Forest Reserves where a total of 28 tree species were tested consisting of 7 dipterocarps and 21 non-dipterocarps.

Information

3.2 Case Study on Costs and Earnings of Fast-growing Tree Plantation

Studies have been conducted and two reports were published. They were “A Survey of Market Prospects of Fast-growing Timber Plantation Species in Peninsular Malaysia” by FRIM and “Economic Analysis of Forest Plantation” by Mr. Hiroshi Nagai which were presented at the Seminar on Small Scale Fast-growing Forest Plantation Project held in Kuala Lumpur on 17 September 2002.

Information

3.3 Case Study on Private Plantation Projects in Peninsular Malaysia

A study had been conducted by FRIM and a report entitled “Study on Private Plantation in Peninsular Malaysia” was published and presented at the Seminar on Small Scale Fast-growing Forest Plantation Project held in Kuala Lumpur on 17 September 2002.

Information

3.4 Counterpart Training in Japan 2002

There was no provision for training in Japan for two Malaysian counterparts in 2002 due to insufficient funding.

Information

3.5 Continue Monitoring and Maintenance of the Plots

The Forestry Department would continue to monitor and maintained the established plots for a period of time, so as to gather further information in order to obtain more meaningful results.

Information

3.6 Carbon Sequestration Capacity of the Project.

Due to the time constraint, the Project was not able to conduct this study. However, wood samples from this Project were sent to a JICA project in Indonesia for analysis and an initial report entitled “Study of

Carbon Sequestration Capacity of Forest Plantation” was presented at this meeting. Ms. Asoko Takimoto informed the Meeting that the joint JICA-Indonesia entitled “Demonstration Study on Carbon Fixing Forest Management Project” had just started this year and final report of the project would be published in 2005/2006. The report would also be made available to all through the website.

Information

4.0 PROJECT INTEGRATED REPORT (PIR)

- 4.1 The report was presented by CAJICA. He reported on the Project’s achievements to-date and mentioned that the PIR also included as appendixes “The Record of Discussion” and “Inception Report”, as well as all the reports produced by the short-term experts and consultants.
- 4.2 There was a proposal to include *Acacia mangium* in the post-project activities and utilised the *Acacia mangium* clone from FRIM. The CM mentioned that the government sector should take up this proposal as there were already many *Acacia mangium* provenance trials established.

Action : PMP

- 4.3 The CM requested PMP to gazette the Project site as a “Research Forest”. He also requested PMP to conduct further testing/trials to confirm the initial findings of the Project as stated in the PIR.

Action : PMP

5.0 PROJECT JOINT EVALUATION

- 5.1 The Project Joint Evaluation Team consisted of Mr. Toshihiro Shima, Dr. Kaoru Niiyama and Ms. Asako Takimoto for the GOJ, while Mr. Lai Sai Mai, Dr. Ang Lai Hoe and Mr. Thai See Kiam for the GOM. The team visited the project area from the 13 to 14 September 2002 and reported their findings and recommendations at this meeting.
- 5.2 The recommendations by the Team as a result of a series of discussions were as follows:-
- (i) To provide sufficient budget and manpower necessary for conducting post-project activities by Malaysian agencies;
 - (ii) To source local and international assistance to assist in the post-project activities as and when necessary;
 - (iii) The Government of Japan to make efforts for assisting the post-project activities to possible extent if requested by the Government of Malaysia;
 - (iv) To properly manage the scientific data collected and compiled under the Project;

- (v) To continue the sharing of data and reports produced by the Project;
- (vi) To disseminate the Project information in FDPM and JICA websites and other media; and
- (vii) To invite private sector's participation in collaborative research for the post project activities.

Action : PMP

6.0 OTHER MATTERS

6.1 The Meeting was informed that a Senior Volunteer would be reporting for duty beginning 1 October 2002 till 31 October 2004. His duties would be as follows:-

- (i) To prepare work plan on maintenance schedule of the study sites;
- (ii) To continue monitoring and analysis of growth performance;
- (iii) To conduct study on how to promote forest plantation by the private sectors; and
- (iv) To promote measures to improve financial viability of forest plantation investment in Malaysia.

Action : PMP/PCHQ

6.2 The CM also informed the Meeting that Forestry Department would provide two full-time counterpart officers for this Project.

Action : PMP

7.0 CLOSING REMARK

7.1 The Chairman expressed his thanks to all the PJC members for their constructive contributions and participation at the meeting. He also expressed his thanks to all past and present Japanese Long- and Short Term Experts who had contributed towards the success of this Project.

7.2 The Meeting adjourned at 1.00 p.m.