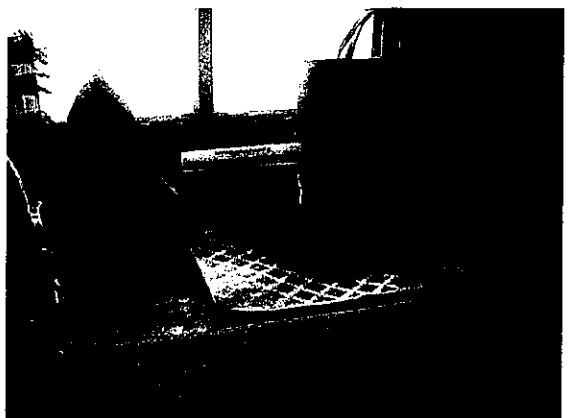
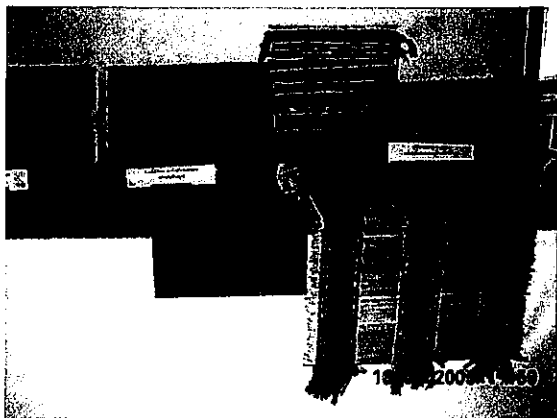


Project PD 146/02 Rev 1 (I)

Promoting Sustainable Utilization of Bamboo Through  
Community Participation in Sustainable Forest Management

**Bamboo Products Training Course  
No. 3**



**Forest Research Institute**

**Yezin, Pyinmana**

**15-24 August, 2005**

**Forest Department, Ministry of Forestry**

**Yangon, Myanmar**

**And**

**International Tropical Timber Organization**

*Training Report DB ✓  
(18 Dec. 06  
No. 1735*

**Proceeding No.3**

**Bamboo Products Training Course  
No. 3**

**U Htun Paw Oo  
National Project Manager**

**U Khin Maung Oo  
U Tint Khaing  
Daw Ni Ni Thin  
Project Staff**

## Contents

Training Procedure	_____	1
Curriculum	_____	1
Programme of the Training Course	_____	2
Summary of the Training Course	_____	6
Data on Trainees	_____	6
Training Course Evaluation	_____	7
Expectation and Commitment from the Training Course	_____	9
Suggestions	_____	10
List of Trainees	_____	11
Picture of Activities	_____	12

## PREFACE

Bamboo Products Training Course No (3) was organized by project PD 146/02 Rev 1 (I); Promoting Sustainable Utilization of Bamboo through Community Participation in Sustainable Forest Management with the support of International Tropical Timber Organization (ITTO). The training course was conducted at the Forest Research Institute (FRI) ,Yezin of the Forest Department. Ministry of Forestry Jointly supported the training.

The objective of the training course was to encourage the trainees to utilize the bamboo with the up to date technique and value-added bamboo products.

The training course was conducted at the (FRI) during 15-24 August 2005. There were 27 participants who have some experiences and interest in bamboo weaving and curtain making. Most of them are local communities from the three project sites in Pyinmana, Kawhmu and, Paukkaung Township and some from (FRI), Forest Department were also included.

The training course committee was established on the of August, 2005 and chairman and co-chairman were U Saw Eh Dah, Coordinator of the project PD 146/02 Rev1 (I) and U Htun Paw Oo, National Project Manager of the ITTO Bamboo Project. Members of the committee were U Thaung Nyunt, Deputy Director, Forest Research Institute, U Sein Thet, National Consultant of Bamboo Project and Daw Khin May Lwin, Deputy Project Manager (2) of the Project and the Secretary of the Committee was U Khin Maung Oo, Deputy Project Manager (3). Other Project staff, which included for facilitating the training were U Aung Soe, U Tint Khaing, U Min Thu, Daw Ni Ni Thin and Daw Mu Mu Aung.

The opening ceremony was presided by U Htun Paw Oo Director of Forest Research Institute, (FRI), Forest Department, Ministry of Forestry.

All the 27 trainees passed the evaluation standard after 10 days of intensive training. The criteria for the evaluation included standard test table, interest and outcomes of their practical works.

## ACKNOWLEDGEMENT

The training course would not have been possible without the generous support of our project sponsor, the International Tropical Timber Organization (ITTO). Special thanks are due to U Soe Win Hlaing, Director General of the Forest Department for his permission to hold the training. We would also like to thank Dr. Hwan Ok Ma, Project Manager, ITTO who supported and helped the organizers in every way he can. The resource persons from Mingaladon and Yezin, Pyinmana were very great in making this training successful and we are very grateful for their valuable contributions to this training. The cooperation and interest of all the participants, which made the training course, achieved its objectives received very high recognitions.

## **Training Procedure**

### **Curriculum**

The training course consists of lectures and practical works. The practical works were divided into 2 sessions, session (I) bamboo weaving and making of bamboo purse, session (II) bamboo curtain making session. The groups were not interchanged so that each group attended only one session.

#### **Bamboo weaving and making of bamboo purse and hat**

The curriculum for training covers species selection and suitable age for slicing, weaving and designing for finished products such as bamboo purse, bamboo hat. Daw Khin May Lwin, Deputy National Project Manager, leader of bamboo processing section conducted the pre-treatment like preservative treatment method, drying method and sewing the bamboo purse and bamboo hat. U Tin Win, U Thein Soe and Daw San Myint from Mingladone Township conducted the bamboo weaving.

#### **Bamboo Curtain**

The curriculum covers species selection and suitable age for curtain and designing for curtain, Daw Mai Khin Than & Daw Mai Khin Pu from Yezin, Pyinmana Township conducted the training.

## **Program of the training course**

### **Sunday 14<sup>th</sup> August 2005**

*Registration:* All trainees reported at the Forest Research Institute Guest House No. (2) (FRI), Yezin, Pyinmana Township.

*Registrar:* Daw Mu Mu Aung

### **Monday 15<sup>th</sup> August 2005**

*Opening ceremony:* Auditorium (FRI), Yezin

09:00 Daw Ni Ni Thin, Master of the ceremony declared opening of the ceremony

09:15 U Htun Paw Oo, Director, Forest Research Institute, Chairman of the ceremony gave an opening speech.

09:50 Light refreshment were served

#### ***Morning Session***

U Khin Maung Oo, secretary of the training course, ITTO bamboo project, explained about the training and hostel disciplines.

U Sein Thet National Consultant of the bamboo project explained about bamboo and bamboo products.

#### ***Afternoon Session***

U Aung Soe, Project staff, explained how to make the bamboo curtain.

Daw Khin May Lwin, Deputy National Project Manager of the bamboo project explained the production of bamboo and value-added bamboo products in India & China.

### **Tuesday 16<sup>th</sup> August 2005**

08:00 *Grouping:* The total number of trainees was only 27 that was divided into 2 groups such as Group I and Group II. The lecture and practical training were organized into 2 sessions according to the subjects

such as session I bamboo weaving, bamboo handicraft and session II bamboo curtain.

***Session I: Bamboo Weaving and Bamboo Handicraft.***

This session was conducted by U Tin Win, U Thein Soe and Daw San Myint, bamboo weaving & handicraft experts from Minglardon Township, Yangon Division.

***Session II: Bamboo Curtain making***

This session was conducted by Daw Mai Khin Than and Daw Mai Khin Pu, curtain experts from Yezin, Pyinmana Township, Mandalay Division.

08:00 – 11:50

For Group I: The following topics were taught.

- Raw material selection-species & age of bamboo suitable for weaving & handicrafts making.
- Utilization and maintenance of equipment i.e., knife, bow saw, fixed knife slices and sewing machine
- Size scanning and cleaning of bamboo

For Group II: The following topics were taught

- Preparing the wood and some steps of making curtain
- Utilization and maintenance of equipment i.e. wood, some chopsticks

**Wednesday 17<sup>th</sup> August 2005**

08:00-11:50

For Group I: The following contents were taught.

- Vertical slicing technique
- Weaving techniques for different designs.

For Group II: - Making curtain techniques for multipurpose, frame and attachment of curtain



13:00 – 16:50

For Group I: - Removing the skin of bamboo, slicing, weaving and matting

For Group II: - Making curtain

#### **Thursday 18<sup>th</sup> August 2005**

08:00 – 11:50

For Group I: - Weaving and matting

For Group II: - Making curtain

13:00 - 16:50

The two groups continue their works.

#### **Friday 19<sup>th</sup> August 2005**

08:00-11:50

For Group I: - Pre-treatment of bamboo for slicing and weaving

For Group II: - Some new design of curtain

13:00 - 16:00

The two groups continue their works.

#### **Saturday 20<sup>th</sup> August 2005**

06:00 to 10:00 - Visiting the sweet bamboo shoot industry in Taunggnu

13:00 to 14:00 - Visiting the bamboo chopstick industry in Taunggnu

#### **Sunday 21<sup>st</sup> August 2005**

06:00 to 12:00 - Visiting the Moeswe bamboo plantation plot

12:00 to 13:00 - Visiting the fermented bamboo shoot Industry in Pyinmana Township

13:00 to 14:00 - Shopping at Myo Ma Bazaar of Pyinmana Township

14:00 to 16:00 - Visiting the bamboo parquet industry in Pyinmana Township

**Monday 22<sup>nd</sup> August 2005**

08:00 – 11:50

For Group I: - Pre-treatment of bamboo for slicing and weaving  
- Weaving & matting

For Group II: - Some new design of curtain

13:00 - 16:50

The two groups continue their works

**Tuesday 23<sup>rd</sup> August 2005**

08:00 – 11:50

For Group I: - By using the sewing machine and making bamboo purse &  
bamboo hat

For Group II: - Making curtain

13:00 - 16:50

For Group I: - Vertical slicing technique

For Group II: - Making curtain

**Course Evaluation**

The training course was conducted as planned. Review of the training contents and training evaluation revealed that trainees passed the evaluation at high level. They also gave strong attention during lecture, practical works and study during the training period.

**Wednesday 24<sup>th</sup> August 2005**

**Closing Ceremony**

U Khin Maung Oo, Deputy National Project Manager of ITTO bamboo project gave a closing speech. U Thaung Nyunt, Deputy Director gave the certificate of honour to the teacher of the training. U Khin Maung Oo Assistant Director, Forest Research Institute (FRI) presents the certificate of achievement to all trainees. It is expected that the experience obtained from the training course will be useful for the trainees to transfer their knowledge to their peers and generate more income for their families and their villagers in the future.

### Summary of the Training Course

#### Data on trainees

The total number of trainees is 27 (as shown in diagram)

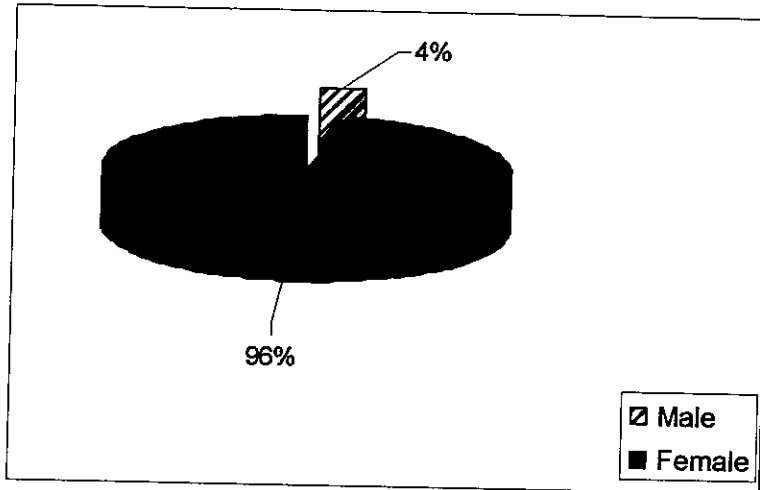


Figure ( 1 ) Classification of Trainees by Sex

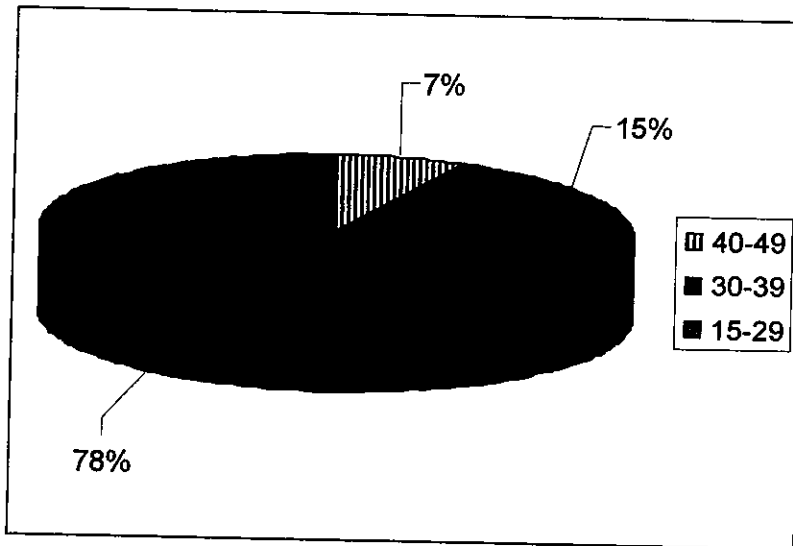


Figure ( 2 ) Classification of Trainees by Age

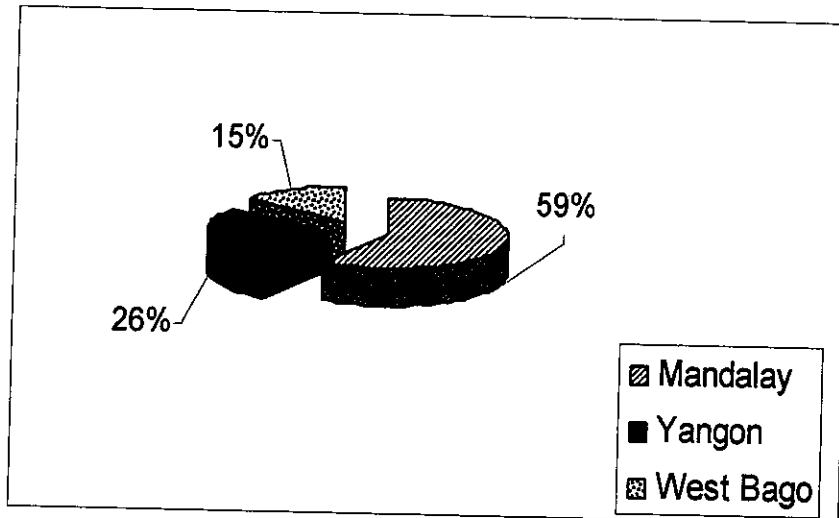


Figure ( 3 ) Classification of Trainees by Division

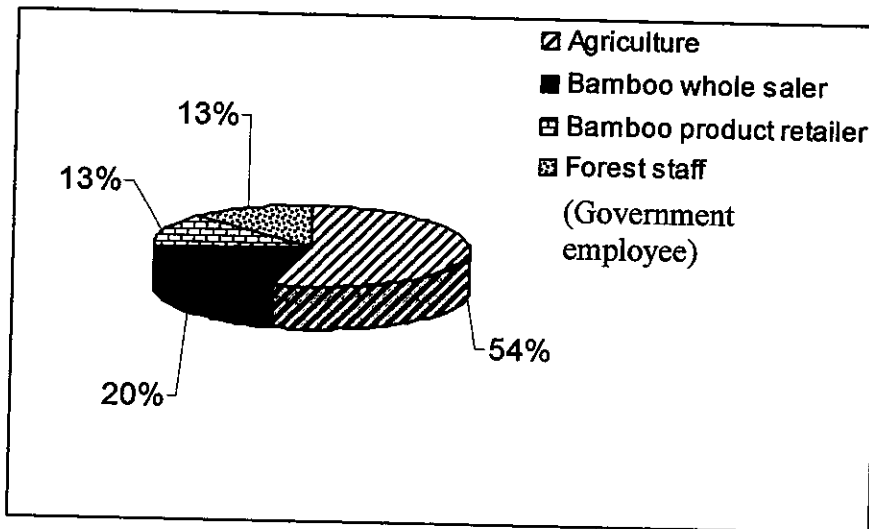


Figure ( 4 ) Classification of Trainees by their Major Source of Income

### Training Course Evaluation

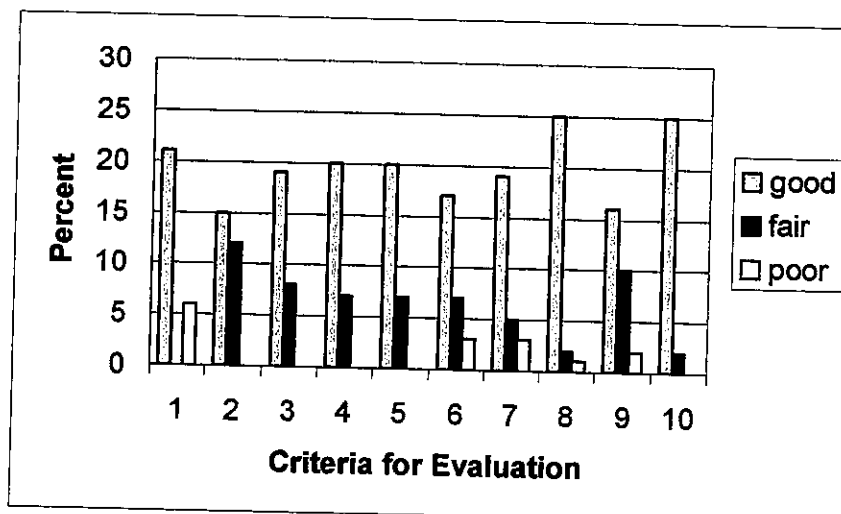


Figure ( 5 ) Bar Chart Showing the Training Evaluation Results.

### **Criteria for Evaluation**

1. Duration of training course
2. Suitability of content
3. Training procedure
4. Activity learning achievement
5. Availability of training equipment
6. Training periods for practical works
7. Training periods for lectures
8. Time allotment for study tour
9. Application of experience gained from the training
10. Performance of resource persons

### Expectation and Commitment from the Training

The trainee's expectation and commitment can be summarized as follows:

<b>Expectation</b>	<b>Commitment</b>
* Knowledge, experience, occupation	* Interesting in Training
* Obtain new knowledge and experience	* Satisfaction in the training and attentive in the part of the trainees
* Transfer experience and extension	* Bring back bamboo products technique and transfer to peers
* Application of skill for practical work	* Have strong intention to promote bamboo industries

### **Suggestions**

Bamboo Production Training Course No. 3 is the third programme to transfer knowledge and experience to general villagers. The training course aims at utilization of bamboo for local communities, which are up to date techniques and value-added products. The trainees may have enough skill to produce handicrafts commercially to meet the market demand and earn some income for their families.

It is also expected that the trainees will transfer their experiences to their peers for their own benefit. It is suggested that:

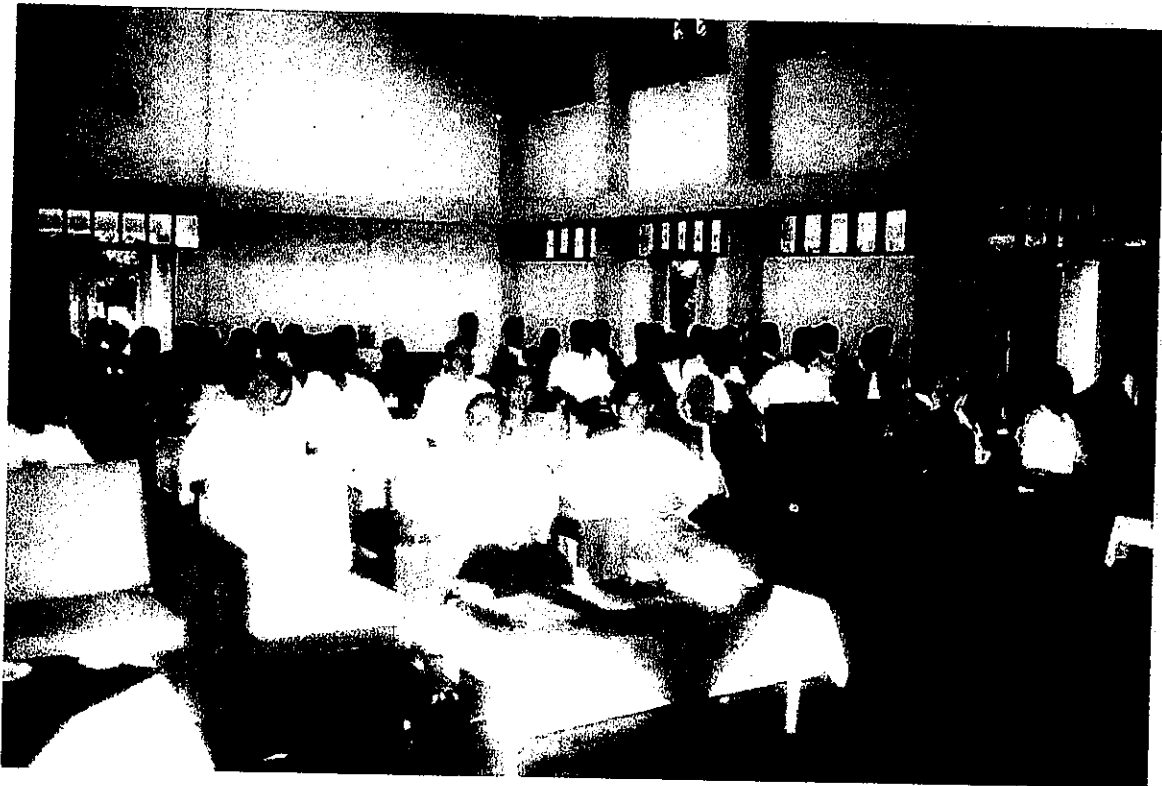
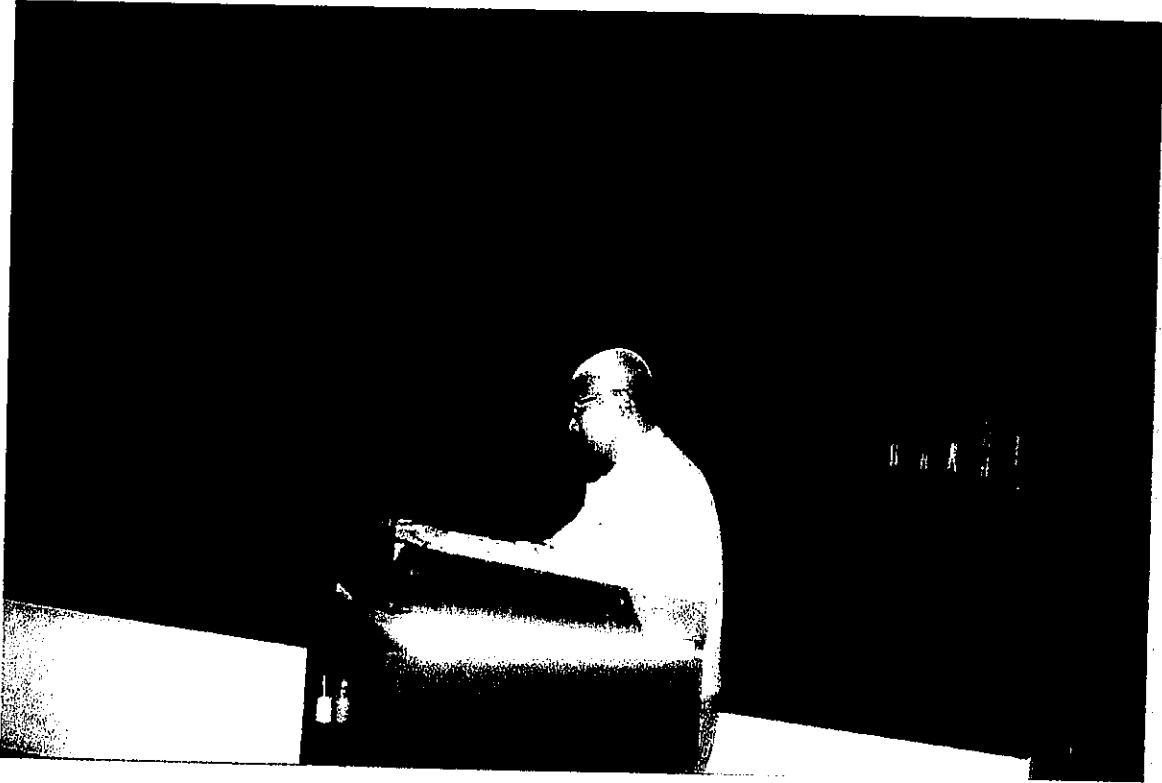
1. There should be adequate time for each subject to be trained in future trainings.
2. Bamboo products cooperative should be established.
3. There should be more training equipments supported.
4. To produce high quality of bamboo products, which are easy to transport meet the local and foreign market should be encouraged .

## List of the Trainees

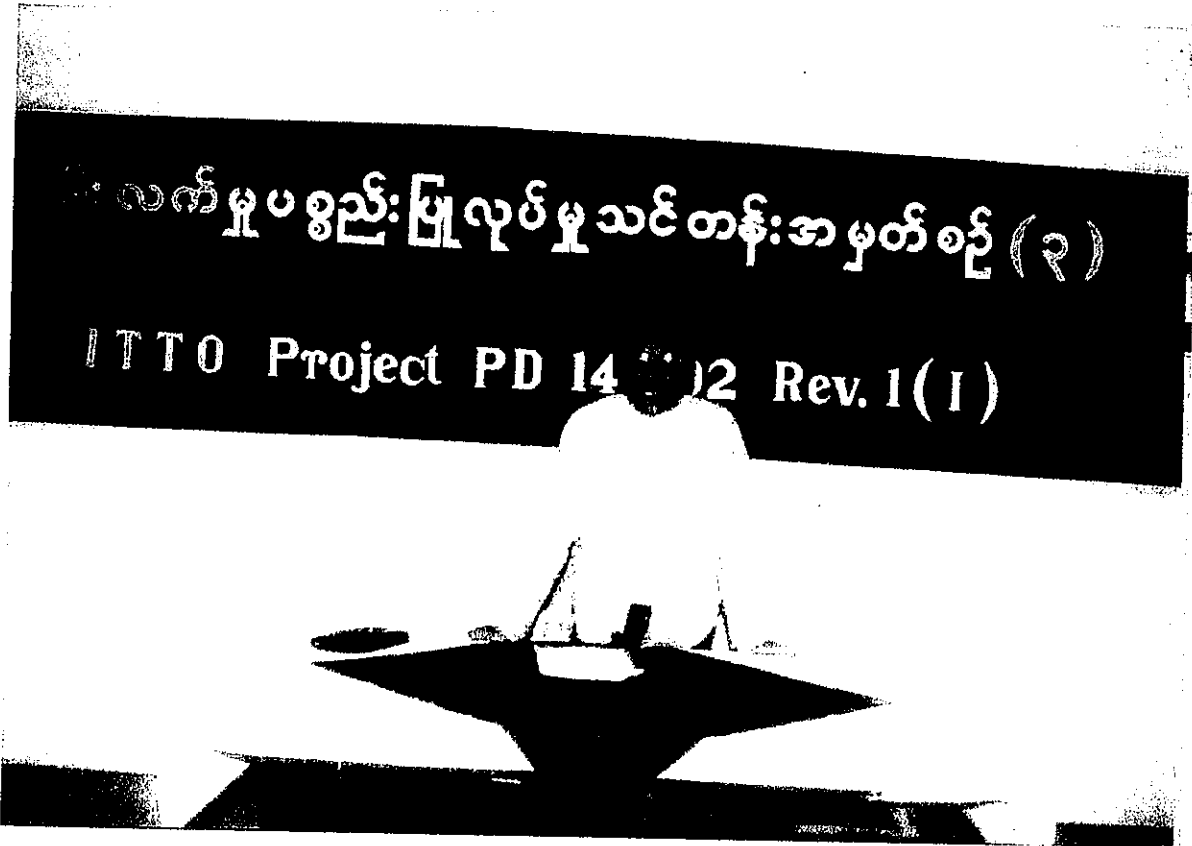
1. U Myo Khine
2. Daw Khin Than Htay
3. Daw Hmwe Hmwe Kyi
4. Daw Moe Moe Khaing
5. Daw Khin San Lwin
6. Daw Mar Mar Win
7. Daw Mar Mar Cho
8. Daw Myo Myo Thant
9. Daw Pwint Phyu Aung
10. Daw Ohnmar
11. Daw Mya Win
12. Daw Hnin Pa Pa Lin
13. Daw Nan Roda Tun
14. Daw Zin Mar Aung
15. Daw khin Mar Ohn
16. Daw Yin Nwe Oo
17. Daw Sandar Win
18. Daw Mya Thu Zar Lwin
19. Daw Sandar Nyunt
20. Daw Cherry Me Win
21. Daw Tin Htay
22. Daw Khin Sandar Tun
23. Daw Kay Thi Khaing
24. Daw Aye Sandar
25. Daw Khaing Hnin Wai
26. Daw Aye Aye Myint
27. Daw Myint Myint San



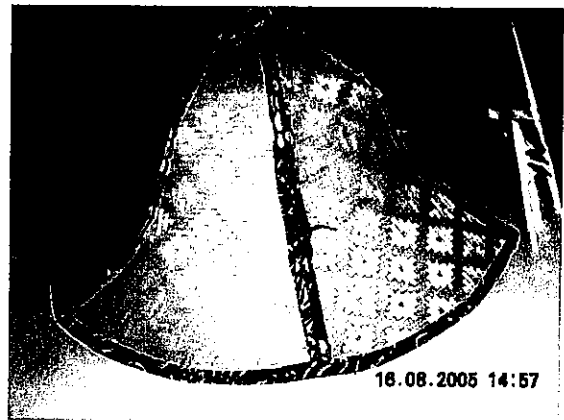
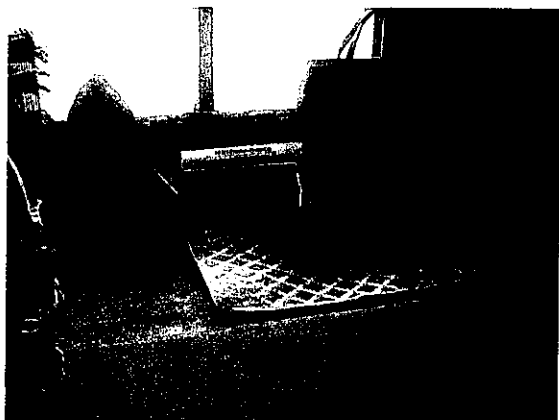
**Bamboo Products Training Course No. 3  
Opening Ceremony**



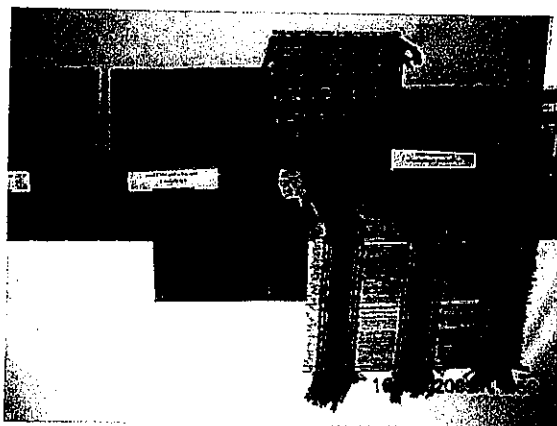
Introduction of the Training



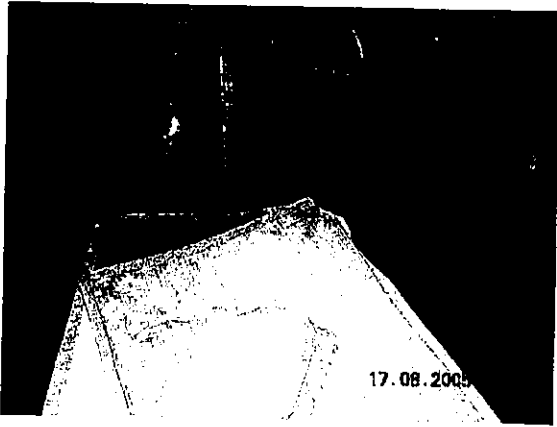
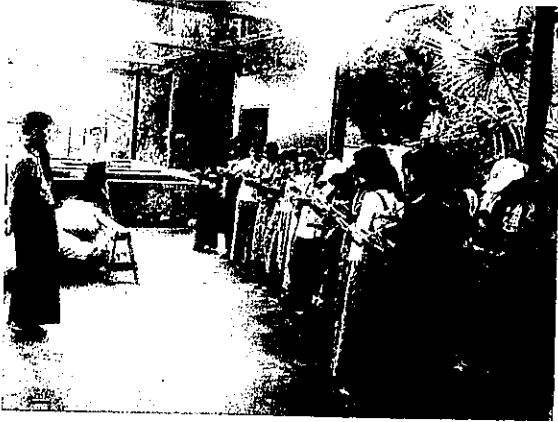
# Lecture on Weaving and Making of Bamboo Purse and Hat



# Lecture on Curtain Making



# Activities during the Training Workshop



**Bamboo Products Training Course No. 3  
Closing Ceremony**

