

**Training Course**  
**on**  
**New Design for Rattan Furniture Making**



**Ban Kampangsaen Moo 7, Tambon Kaem Onn**  
**Jombung District, Ratchaburi Province**

**20 April – 5 May 2005**

**organized by**  
**Royal Forest Department, Bangkok, Thailand**  
**With the Cooperation and Support of**  
**The International Tropical Timber Organization (ITTO)**

## **PREFACE**

The Training Course on New Design of Rattan Furniture Making is one of the important activities under the PD 24/00 Rev.1(I) Project on Promotion of Sustainable Utilization of Rattan from Plantation in Thailand. The training course aimed to promote and develop the skills of rural people to use rattan raw materials for making various types of products such as furniture, weaving products and interior parts of the house.

This training course was held at Ban Kampangsaen, Moo 7, Tambon Kaem Onn, Jombung district, Ratchaburi province during 20 April – 5 May 2005. Project staff comprised the officers from Royal Forest Department and National Park, Wildlife and Plant Conservation Department. The activities included investigating and coordinating for the appropriate trainers and trainees in the fields of integrated materials for rattan furniture making, taking care of the training activities, providing tools and experiences, and evaluating an achievement of the training course. Twenty participants were selected from local communities who were interested to develop their knowledge and skills in rattan furniture making.

Opening ceremony was chaired by Mr. Thanee Viriyarattanaporn, Director of the Forest Management and Forest Products Research Office, following the report on objective of training and how the training was conducted by Ms. Pannee Denrungruang, the Project Leader.

During the training course, participants had learned how to improve techniques and designs on rattan furniture making by using iron as part of raw materials for furniture structure. After the course is over, all participants can pass the evaluation standards (interesting and outcome of their practical works). All necessary equipment and materials used during the training were donated to the community by keeping with the leader of community. Trained participants can borrow and use this equipment to earn more income by producing high quality of rattan product.

## **ACKNOWLEDGEMENT**

We would like to extend our heartfelt gratitude to the International Tropical Timber Organization (ITTO) for providing financial support to this project and to the all participants for their cooperation and intention until the end of the training and make the training successful. The resource persons from PRS Industry Co., Ltd were very kind and helpful to make this training success. The hospitality of the people in the community of Ban Kampaengsaen, Moo 7, Tambon Kaem Onn, Jombung district, Rachaburi province is impressed by all visitors and should receive a lot of thanks. Finally, special thanks for all our staff who worked very hard during the entire course of this training that would not have been possible without them.

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**Advisory Committee**

Mr. Thanee Viriyarattanaporn                      Mrs. Wanida Subansenee  
Mr. Suchart Thaipeth

**Organizing Committee**

Ms. Pannee Denrungruang                      Dr. Rungnapar Pattanavibool  
Mrs. Mayuree Jitkaew                              Ms. Paiwan Lek-u-thai

**Secretariat**

Mr. Smit Boonsermsuk                              Ms. Natthakorn Semsantud  
Ms. Wathinee Thongchet                              Ms. Varuesa Wannakhun

**Budget and Finance**

Ms. Paiwan Lek-u-thai                              Ms. Walaiporn Satitvibool

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## ***RFD-ITTO PD 24/00 Rev. 1(I) Project***

### ***Promotion of Sustainable Utilization of Rattan from Plantation in Thailand***

## **Training Course on New Design for Rattan Furniture Making**

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### **1. Rationale and Justification**

At present, a large volume of rattans are harvested from both natural forest and plantation. However, the way of utilizing these rattans is still inefficient that brings about a decrease in product value. In fact, rattan is one of high potential raw materials for making value-added products such as furniture, weaving products and interior parts of the house, but most villagers do not know much about the techniques and they also lack of skills and experiences to use these raw rattan materials for making various types of products.

Encouraging rural people to earn more income from rattan products by using supplemented material is one of the solutions to reduce production cost and amount of raw materials. The Royal Forest Department with the cooperation of International Tropical Timber Organization (ITTO) has placed the emphasis on the development of rattan cane utilization to increase the product values. Therefore, the project on **Promotion of Sustainable Utilization of Rattan from Plantation in Thailand** has been initiated and all the technologies gained from the project will be transferred to rural people through training workshop.

### **2. Objectives**

- 2.1 To provide the participants with the opportunity to learn the advance techniques on how to make furniture products.
- 2.2 To reduce rattan consumption and production cost in furniture product by using iron as part of main structure of the furniture.
- 2.3 To enhance the participants to create new design of rattan products by using integrated material at home industry or local industry level in order to earn more income by selling their high quality products in high-end markets.

### **3. Programs**

The training course includes lecture and workshop on the knowledge about new designs and techniques on rattan furniture making using iron as main structure.

### **4. Processes of training course**

1. Lecture by private entrepreneurs and experienced persons on rattan products.
2. Workshop on rattan furniture making by expert from PRS Industry Co., Ltd. from 21 April – 5 May 2005.

### **5. Lecturers**

- 5.1 Dr. Opor Suwanmek (King Mongkut's Institute of Technology Ladkrabang)
- 5.2 Mr. Watcharakorn Punchon (Bangsai Arts and Crafts Centre)
- 5.3 Mr. Pasakorn Apakorn (Department of Export Promotion)
- 5.4 Ms. Piroj Bunma (PRS Industry Co. Ltd.)

### **6. Venue of the training course**

Baan Kumpaengsaen, Moo 7, Jombung district, Ratchburi province.

### **7. Duration**

15 days from 20 April to 5 May 2005.

### **9. Participants**

20 participants

### **10. Budget**

International Tropical Timber Organization (ITTO)

### **11. Organizer**

PD 24/00 Rev.1(I) Project : Promotion of Sustainable Utilization of Rattan from Plantation in Thailand, Royal Forest Department.

### **12. Course evaluation**

Evaluation is conducted using questionnaire and observations during and after training.

**13. Expected output**

Participants are expected to be able to apply the knowledge gained from this training course.

**14. Certificate**

Certificate of participation will be awarded to the participants who attend more than 90% of the course.





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**Wednesday 20 April 2005**

09.00-10.00	Registration
10.00-10.30	Opening Ceremony
10.30-10.45	Coffee Break
10.45-12.00	Lecture on business and marketing of rattan products Ms. Opor Suwanmek, KMITL
12.00-13.00	Lunch
13.00-16.30	Information on new design rattan of furniture making Mr. Piroj Bunma, PRS Industry Co. Ltd

**Thursday 21 April 2005 to Monday 25 April 2005**

09.00-12.00	Workshop on new design of rattan furniture making Mr. Piroj Bunma, PRS Industry Co. Ltd.
12.00-13.00	Lunch
13.00-16.30	Continue Workshop Mr. Piroj Bunma, PRS Industry Co. Ltd.

**Tuesday 26 April 2005**

10.00-11.00	Lecture on product development for export promotion Mr. Pasakorn Apakorn, Department of Export Promotion
11.00-12.00	Lecture on production cost calculation Mr. Watcharakorn Punchon, Bangsai Arts and Craft Centre
12.00-13.00	Lunch
13.00-16.30	Workshop on new design for rattan furniture making Mr. Piroj Bunma, PRS Industry Co. Ltd.

**Wednesday 27 April 2005 to Wednesday 4 May 2005**

09.00-12.00	Workshop on new design of rattan furniture making Mr. Piroj Bunma, PRS Industry Co. Ltd.
12.00-13.00	Lunch
13.00-16.31	Continue Workshop Mr. Piroj Bunma, PRS Industry Co. Ltd.

**Thursday 5 May 2005**

09.00-12.00	Discussion
12.00-13.00	Lunch
13.00-14.30	Discussion
14.30-14.45	Coffee Break
14.45-16.30	Course Evaluation and Certification Award Closing Ceremony

## OPENING REPORT

**Panee Denrungruang, Project Leader**

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Mr.Chairman, Distinguished Guests, Participants, Ladies and Gentlemen,

On behalf of the Organizing Committee and all participants, I would like to thank the director of the Forest Management and Forest Products Research Office for coming to preside over the opening ceremony of the training course on **New Design for Rattan Furniture Making**, today.

The ways of making rattan furniture and weaving products are subject to local precious wisdom that should be promoted and maintained to future generations. The Forest Management and Forest Products Research Office, Royal Forest Department aims to encourage the local people to gain more income by developing the technique for effective utilization of rattan cane to increase the value of the products. The project has been started in 2001 with financial support from the International Tropical Timber Organization (ITTO).

The objectives of the training course are to provide the participants with an opportunity to learn the advance techniques of furniture making and to reduce the use of rattan canes and production costs by using material as main structure of the products, as well as to enhance the participants' capability to design new rattan products using integrated material at home industry or local industry level.

The training course is divided into 2 parts: lectures and workshop. The lecture includes product development for export, business and marketing of rattan products, and calculation of production costs. The workshop deals with design and techniques on how to use metal as material for furniture making. Twenty participants are villagers and those who have basic skills of rattan furniture making.

Special thanks are given to Royal Forest Department, National Park Wildlife and Plant Conservation Department, KMITL, Department of Export Promotion, Bangsai Arts and Craft Centre, PRS Industry Co. Ltd. and several other provincial offices for cooperation and support in organizing this training workshop. On this occasion, I would like to invite Mr. Thanee Viriyarattanaporn; Director of the Forest Management and Forest Products Research Office; to officially open the training course and deliver the keynote address.

## **OPENING ADDRESS**

**Thanee Viriyarattanaporn**

Director of Forest Management and Forest Products Research Office

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Project Leader, Participants, Distinguished Guests, Ladies and Gentlemen,

It is a great honor for me to preside over the opening ceremony of the Training Course on New Design for Rattan Furniture Making.

I have an impression that this training course is a special arrangement for the groups from outstanding communities who are interested in producing rattan products, to gain more knowledge and experience on the use rattan cane effectively and how to produce high quality products, particularly furniture that needs more skills and experiences.

Although the course is quite short, it is a very special occasion for all of you to have a chance to gain substantial knowledge from experienced resource persons for the lectures, workshop. Participants are supposed to technically utilize rattan cane more effectively and be able to develop the products with higher value-added.

I would like to thank Royal Forest Department, the International Tropical Timber Organization (ITTO), resource persons and all staff for great cooperation and contribution. I do believe that the outcomes of this training will be useful in the developing your career and are beneficial for yourself and your community.

May I wish you all a successful meeting. I now declare open the Training Course on New Design for Furniture Making.

### **Summary of the Training Course**

The Training Course on New Design of Rattan Furniture Making was the follow-up activity after the one on Rattan Weaving and Furniture Making.. The project has realized the excessive use of rattan raw material on each product and tried to initiate an integration of rattan and other material. Moreover, integration of rattan and steel in furniture making can increase the price and upgrade the value of the products at high-end market.

Since the project has well associated with communities, this training course is expected to enhance the community to earn more income with less use of rattan raw materials. The project provided rattan raw material and some equipment to the training course while some other equipment were borrowed from Industrial Promotion Regional Centre in Suphan Buri province. All participants were those trained in the previous course on Rattan Weaving and Furniture Making.

The training course consisted of lecture and workshop. Participants for the practical workshop were divided into 5 groups each of which were trained under the same basic concept, but they must create their own design and produce various styles of products. Following were the topics included in the training.

1. Utilization on technical matters for better development.
2. Application of rattan weaving and furniture making techniques.
3. Marketing and business of rattan furniture and weaving.
4. Working experiences on rattan products.
5. Use of equipment.
6. Integration of rattan and other materials.
7. Practical workshop on new design for furniture making.
8. Pricing and product promotion.

A number of different types and styles of products from the training are shown in the Annex.

### **Suggestion**

The Training Course on New Design for Rattan Furniture Making aimed to elucidate local people on how to reduce the use of rattan raw material by integrating rattan with other materials in order to create new design of the product that can compete in the market. Moreover, high quality products also increase more income that is related to development and stability of household or community manufacture. Following are the suggestions from the training.

1. There should be some follow-up program to evaluate the development of each participant and community.
2. Sufficient volume of high quality products should be prepared in case of products required for trade fairs and exhibitions on different occasions.
3. The group needs to control the quality and develop for new design regularly.
4. Local rattan product cooperatives should be established.
5. Rattan plantation should be established to supply raw materials and to avoid illegal harvesting from natural forest.
6. Coordination among participants, resource persons, and concerned institutions should be strengthened to improve product quality and expand to both local and overseas markets.

## CLOSING REPORT

**Panee Denrungruang**, Project Leader

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Director of Forest Products Development Division, Consultant of the Project, Piroj Bunma,  
Participants, Distinguished Guests, Ladies and Gentlemen,

On behalf of the organizing committee and all participants, it is my great pleasure to make the report on the Training Course on New Design for Rattan Furniture Making.

This training course is held under the PD 24/00 Rev.1 (I) Project on Promotion of Sustainable Utilization of Rattan from Plantations in Thailand supported by the International Tropical Timber Organization (ITTO). Objectives of the training are to allow the participants to learn more about marketing, design, production cost calculation and product development for export of rattan furniture. The training will lead all participants to develop good quality rattan furniture and to establish the group of local community to produce and sell the products at good price, for it is expected that more income will be generated.

The training course has been started on 20 April 2005 and lasted for 15 days. There are 20 participants who are farmers and interested people. The training includes several topics of lectures and workshop such as business and marketing, product development for export promotion production cost calculation and practical workshop on the techniques of making furniture using supplemented material such as steel in order to reduce the use of rattan canes and production cost with more valued-added.

During the entire course of this training, the organizers receive tremendous assistance from a number of government and private agencies, especially Royal Forest Department, KMITL, Department of Export Promotion, Bangsai Arts and Craft Centre, PRS Industry Co. Ltd.

On this occasion, I would like to request the Director of Forest Products Development Division to award the Certificate of Achievement” to the participants and give some closing speech.

## **CLOSING REMARK**

Suchart Thaipetch

Director of Forest Products Development Division

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Consultant of the Project, Project Leader, Organizing Committee, Distinguished Guests, and Participants;

It is a great honor for me to chair the closing ceremony of the Training Course on New Design for Rattan Furniture Making. I am glad to hear that this training course is successful and fulfill our objectives as expected.

The objectives of this training course are to train and to develop the skills on design rattan furniture in order to reduce the use of rattan canes and production cost in furniture production while making more valued-added products. The training will lead all participants to develop the quality of products and to establish the group of local community to organize the production and produce and sell the products at better price. Moreover, participants have a chance to share and exchange the knowledge with other organizations and other local groups. Therefore, I would like all of you to bring your knowledge to develop your career effectively along the line with the way of life. This will also strengthen the participation in community development.

The process of making furniture products relates to the use of rattan canes and supplemented materials. Therefore, all participants should have knowledge in new design and select suitable techniques to produce good quality of rattan furniture with new design. Moreover, there is the need to control the quality and develop the new design to help upgrade the price of the product and the market..

I would like to thank the organizing committee, resource persons, and all participants for generous cooperation and contribution to make the training successful.

I would like to wish all of you the good luck and return to your hometown safely.



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List of Participants

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Mrs. Kanokwan Petchsaikaew  | 11. Mrs. Anulak Singtothong  |
| 2. Mr. Narongchai Joythongmoon | 12. Ms. Paweena Chooin       |
| 3. Ms. Thongyou Saehoa         | 13. Mr. Suchin Kaewpuongngen |
| 4. Mr. Booncherd Petchsaikaew  | 14. Mr. Panya Sankum         |
| 5. Mrs. Phew Khumyart          | 15. Ms. Janyarat Prasertsri  |
| 6. Mr. Saichon Sathongin       | 16. Mr. Baworn Suwanrat      |
| 7. Mr. Thongkum Chaiyet        | 17. Mr. Rinnond Nasoak       |
| 8. Mr. Kriengkrai Wakanueng    | 18. Mr. Narong Kalueksom     |
| 9. Ms. Sirirat Panpayak        | 19. Ms. Siriwan Puengbumrung |
| 10. Mr. Somsak Padsawai        | 20. Mrs. Supranee Nimoolchat |

# ANNEX





