

## **Project Report for the Training Workshop on Bamboo Cultivation and Utilization**

Sponsored the by the Ministry of Commerce of the People's Republic of China, the International Network for Bamboo and Rattan organized the Training Workshop on Bamboo Cultivation and Utilization in Addis Ababa, Ethiopia During 3 November-30 December, 2006. The team of trainers was formed of Dr. Fu Jinhe and Ms Song Shuang from INBAR, Master Chen Yunhua, Master Zhang Baozhen and Master Li Jianyin from INBAR Qingshen Bamboo Training Base and Professor Zhou Benzhi from the Subtropical Forestry Research Institute of the Chinese Academy of Forestry. With the joint efforts of the trainers, the training was successfully completed with fruitful results.

The training workshop was greatly supported by the Chinese Embassy in Ethiopia, the Ethiopian Ministry of Trade and Industry, the Ethiopian Ministry of Agriculture and Federal Micro and Small Enterprise Development Agency (FeMSEDA). FeMSEDA as the local coordination organization provided outstanding logistic support to the training. The Chinese Embassy in Ethiopia, especially the Economic and the Commercial Office provided substantial helps to the successful completion of the training workshop. We would like to express our sincere appreciation to the department of Aid to Foreign Countries of Chinese Ministry of Commerce and the Executive Bureau of International Economic Cooperation of Chinese Ministry of Commerce as well as all the authorities mentioned above.

The opening ceremony of the Training Workshop on Bamboo Cultivation and Utilization was held on 4<sup>th</sup> November 2006 in FeMSEDA. H.E. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia, H.E. Mr. Zhang Yangwu, the representative of the Chinese Ambassador, H.E. Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office, Mr. Kebede Shiferaw, the Director General of FeMSEDA, representatives from Ministry of Agriculture and Rural Development of Ethiopia, the Chinese masters as well as the trainees of the workshop attended the opening ceremony. H.E. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia, H.E. Mr. Zhang Yangwu, the representative of the Chinese Ambassador, Mr. Kebede Shiferaw, the Director General of FeMSEDA and Dr. Fu Jinhe, the Programme Officer of INBAR

gave speeches on the opening Ceremony. The Ethiopian government acknowledged the immense impact of the Training Workshop held in 2005. There were 40 participants from 2005's training. Most of the trainees have transferred the technologies they have learned to rural bamboo plantation areas. Some of them opened their own bamboo workshop. Solomon Shenkut was a rural farmer who lived in a bamboo plantation area 300 km away from Addis Ababa. He participated in the training on furniture making and bamboo weaving in 2005. Now he has opened a bamboo workshop with the technologies he learned and hired 13 employees. The monthly income of the workshop is more than 12000 birr. Six wholesalers have contracted him for long-term purchasing. Now Solomon Shenkut is busy with enlarging the workshop. Another bamboo workshop that did not receive training can only generate 1000 birr every month (the salary of local workers is 130-300birr).

In order to raise awareness on developing bamboo industry, INBAR organized two bamboo workshops in Ethiopia in 2006. INBAR organized the "Workshop on Promoting Ethiopian Bamboo Development" in cooperation with UNIDO, Ethiopian Ministry of Trade and Industry and Chinese Embassy on 11 March 2006. More than 60 participants from various sectors attended the workshop. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry and Mr. Tekalign Mamo, the State Minister of Ministry of Agriculture and Rural Development, Mr. Linlin, the Chinese Ambassador, Mr. Yi Zonghua, the Chinese Counselor of Economic and Commercial office, Dr. Geoffrey Mariki, Head of UNIDO regional office attended the Workshop as VIP guests. Those who also participated in the workshop were officials from Ethiopian Government and participants from international organizations, NGOs, private sectors as well as media. The importance and the potential of Ethiopia bamboo sector development as well as the possible cooperation among Ethiopia, China and INBAR were discussed during the workshop. Mr. Kebede Shiferaw, the Director General of FeMSEDA commented on the workshop as "It enlightened the bamboo sector development in Ethiopia, and will greatly promote the development." Many enterprises have started to invest in bamboo industry. An Ethiopia-America joint venture has invested in 400 thousand hectares of bamboo forest and signed USD 130 million contracts with 3 Indian paper manufacturing companies to provide bamboo pulp for three years. A Chinese mining company is also planning to invest in Ethiopian bamboo resources for paper making.

In order to further explore the potential of Ethiopian bamboo sector and expand the cooperation

opportunity. Workshop for Promoting Ethiopian Bamboo Sustainable Development“Unleashing the Economic importance of Bamboo in Ethiopia” was held on 19 December, 2006 in the Wabe Shebelle Hotel, Addis Ababa, Ethiopia. It was organized by International Network for Bamboo and Rattan (INBAR), supported by Ethiopian Ministry of Trade and Industry, Ministry of Agriculture and Rural Development and Chinese Embassy in Ethiopia. There were more than 100 attendances to the workshop, including H.E. Mr. Wang Chao, the Assistant Minister of Ministry of Commerce of China, H.E. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia, H.E. Mr. Ahmed Nasir, the State Minister of Ministry of Agriculture and Rural Development of Ethiopia, H.E. Mr. Lin Lin, the Chinese Ambassador, H.E. Dr. Coosje Hoogendoorn, the Director General of INBAR, H.E. Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office, and participants from International Organizations, NGO and Ethiopian Government, as well as bamboo professionals, entrepreneurs, journalists, etc. The workshop raised great attention of media organizations. The Ethiopian TV station reported the workshop in their news programme, Many domestic and international newspapers and websites also reported the workshop, especially the Ethiopian Herald, gave a report of more than one full page.

### **General Introduction on the Training Workshop**

The training workshop included two parts: bamboo weaving and furniture making and bamboo cultivation and utilization. The training started on 3 November and concluded on 30 December 2007. There were totally 49 participants attended the training that hold in FeMSEDA.

23 participants selected by FeMSEDA joined the Training Workshop on Bamboo Weaving and Furniture Making, which started on 3 November and lasted for 6 weeks. The Chinese masters brought high quality manual tools that are handy and practical from China. The furniture, including round bamboo table, round bamboo chair, bamboo weaving chair, bamboo sofa and bamboo tea table, that incorporated bamboo weaving are very elegant and durable. On bamboo weaving, Chinese masters taught a new technique of splitting bamboo. They invented a special tool, called needle row, which could make bamboo strips into very thin and even splits. The training started with the most basic techniques, such as selecting bamboo, splitting bamboo, dyeing bamboo strips and making modules. After the training, trainees can finish the products all by themselves, including bamboo basketries and

bags, bamboo lampshades and bamboo wall paper. The training was highly appreciated by the trainees, FMESEDA, Ethiopian Ministry of Trade and Industry' and Chinese Embassy. They all wish this kind of training could be continued in the future. During the training, many government officials, delegates from international organizations and entrepreneurs visited the workshop and discussed with Chinese experts for the possibility of future cooperation.

The Bamboo Cultivation training was held during 15<sup>th</sup>-29<sup>th</sup> December 2006 in Federal Micro and Small Enterprises Development Agent (FMSEDA) Addis Ababa, Ethiopia. There were 26 trainees selected by Ministry of Agriculture and Rural Development attended the training. The training systematically introduced bamboo cultivation techniques and the industrial utilization of bamboo at current stage. More than 20 related DVDs were played as multi-media tool during the training. At the end of the training, a field excursion was organized in bamboo nursery, bamboo experts from both China and Ethiopia introduced the cultivation techniques in the nursery.

### **Suggetions:**

Ethiopia occupies 1 million hectares of bamboo resources. Currently these bamboos are not properly managed and utilized. China as the leading country in bamboo development has very advanced technology and equipments in bamboo cultivation and utilization. We suggest that:

1. In the future, Ministry of Commerce could continue their aid on bamboo cultivation and utilization training, especially on bamboo charcoal and bamboo furniture making. Ethiopia is a country with extremely shortage on timber resource and energy resources. Bamboo charcoal could have a big market in Ethiopia as fuel. After the training, bamboo charcoal could be used to substitute wood charcoal to diminish the wood consumption, protect the nature forest resources. At the same time, as bamboo is a reproducible and sustainable resource, bamboo charcoal producing could be developed into an industry to increase rural farmers' income in bamboo plantation areas. According to our investigation, bamboo furniture also have very big potential at local market. If it is possible, an Africa/east Africa bamboo technology center could be established in Ethiopia to transfer bamboo technologies to Africa/east Africa. INBAR could act as a platform to promote the south-south cooperation in bamboo sector.
2. Promoting technology transfer through South-South Cooperation and encouraging Chinese

company execute “going out” strategy. At the same time, it will promote the proper utilization of nature resources and sustainable development in other developing countries. In china, we have very advanced technology and equipment in bamboo charcoal and furniture making. These sectors require simple technology and moderate investment. In the future, Ministry of Commerce could support Chinese companies to engage in bamboo charcoal and bamboo furniture production, and encourage big companies to invest on bamboo pulp and paper making as well as bamboo panel production.

Chinese Experts for the  
Training Workshop on Bamboo Cultivation and Utilization

10<sup>th</sup> January, 2007

## Part One: Training Workshop on Bamboo Weaving and Furniture Making

### I. Introduction

1. Presentations:
  - Bamboo for Poverty Alleviation and Rural Development
  - Better life With Better Utilization of Ethiopian Bamboo Resource
2. Practices:
  - Bamboo Furniture Making
  - Bamboo Basketry Making
  - Bamboo Lampshade Making
3. Mythology Learning
  - Ways and Means of Learning
  - How to Become an Excellent Bamboo Master
  - Initiatives and Innovations
  - Attentions and Creations
  - Workshop Management

Generally, the trainees were trained with both advanced producing techniques and knowledge in managing and running bamboo workshop.

This training workshop got very high compliments from the local partner organization Federal Micro and Small Enterprises Development Agency (FeMSEDA). They regarded this training as the best training that have ever happened in FeMSEDA.

### II. Training Detail



A delicate bamboo weaving work was given to Mr. Tadesse Haile, the State Minister of Ethiopian Ministry of Trade and Industry on the opening ceremony as gift



Graduation Photo for the Training on Bamboo Weaving and Furniture Making



Issuing Certificate for Participant and Trainors



Lecture on Bamboo Furniture Making



Comments and Questions from Trainees



Storing and Arranging Bamboo





Bamboo Stripping



Bamboo Weaving



Bamboo Strip Dying



Making the Bent Mortise for Bamboo Furniture



Curing Bamboo with Fire

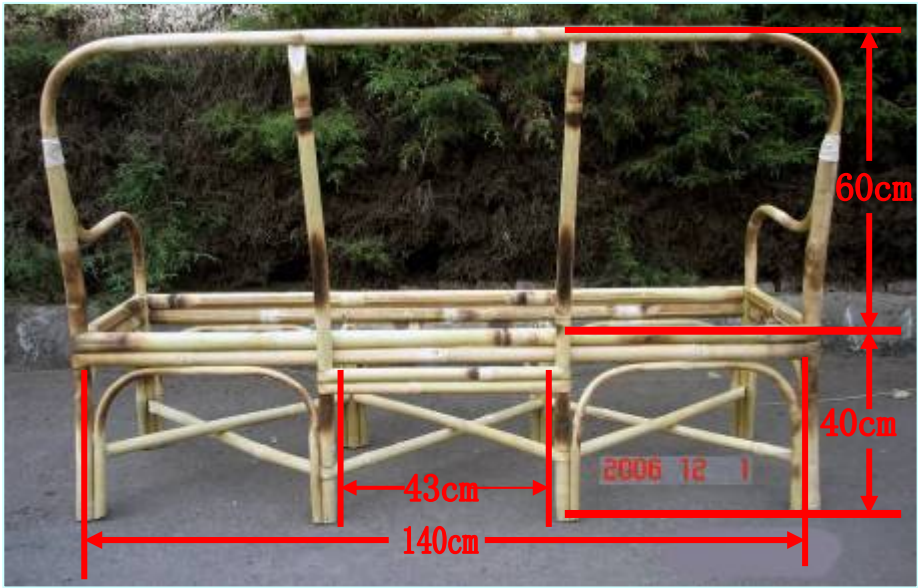


Straightening Bamboo with Fire



Bamboo Weaving for Sofa and Tea Table





Bamboo Sofa and the Sizes of Different Parts



The Processes of Making Bamboo Sofa



Bamboo Tea Table Making



Round Bamboo Dining Table Making



Bamboo Chair Making



Bamboo Basketry Making



Bamboo Lampshade Making



The Trainer Shows the Trainees How to Start a Bamboo Lampshade



Trainees Help Each Other During the Training



Bamboo Basketry Making

### III. Products from the Training



Bamboo stool



Bamboo Chair



Square Bamboo Table



Table Set Round Bamboo Table Set



Trainees with Their Own Products



Bamboo Sofa



Bamboo Tea Table

### Bamboo Basketries with Different Finishing Methods



## Different Styles of Bamboo Lampshades



Decorate House with Bamboo Ceiling

## Comments from Trainees



**Kinfe Tesfaye**

Advance training on bamboo weaving and furniture making is very important for the country like Ethiopia, where bamboo is under utilized and the knowledge is limited. China is the leading country in bamboo technology, and this training is also the best method of transferring technology. Our training includes bamboo selection, advance weaving and furniture making and organizing working place. During the training we have made good quality articles from woven bamboo high quality chairs, table and sofa. The teachers (masters) from China are men and women of bamboo art. They teach us all what they have as far as the time is consumed and also working discipline and how to be effective and efficient. So I would like to thank the funding organization (Chinese ministry of commerce) our teachers Chinese masters and this training was not practical without all of them.

2006 11 29

Thank you all



**Charles Gtau**

Business Training Workshop on Bamboo Furniture and Weaving. 2/11/06 - 14/11/06.  
Venue: Fenseda Akhishabwa Ethiopia

### Introduction

From the time we started training in Fenseda I have gained advanced skills and technologies in weaving and furniture making

### ACHIEVEMENTS

- ① How to arrange tools and sharpen them for a good craftsmanship and workshop arrangement
- ② Selection of suitable bamboo materials for furniture making and weaving.
- ③ Seasoning of bamboo skills.
- ④ Stripping of bamboo culms and splitting for furniture and weaving.
- ⑤ Weaving technologies for furniture making and basketry.
- ⑥ Bending of materials and whole culm bending using burner and assembling furniture.
- ⑦ Finishing technologies for bamboo furniture and weaving.

### Conclusion

I would like to train more technologies on bamboo furniture and weaving technologies in order to get more experience. I highly recommend the Chinese experts for their training on bamboo furniture making and weaving technologies by Charles Gtau (Kenya).

2006 11





Tadele Degefa

at 20/3/99

we have get from this training I get great new  
 technology by bamboo -  
 I get newledge from bamboo furniture  
 and processing  
 that's for by this training by I getting  
 newledge bamboo by making things and  
 goods. like I make my safe and other  
 canary -  
 for the future this training the  
 day is I vary small fare for the future  
 from one month a future 3 months  
 is good we have get food newledge  
 by training thank you the china state  
 and our trainers

Tadele Degefa



Tewooros Abebe

In The first place I said thank you! for all the bamboo  
 Expert and ministry of commerce to china.

I think my skill improved after training by chinese bamboo  
 expert. last year I took the training and also these year all the  
 training successfully run on all the session of the training.  
 Specially the expert has fully participate on the training. I satisfy  
 by this training session. I suppose to suggest to you at the future  
 the training period of time will be elongate. The chinese trainers  
 have a good approach all us they train us gently and strictly  
 all the time so I thanks and I wish to them Good luck!

Tewooros Abebe



Aberashe Ayno

Dear Sir  
 I would like to say thank you my organization  
 and my name remember you and your country's great  
 effort of bringing modern bamboo technology beginning  
 from 1974 up to 2006 in different times  
 as you know that our country has a lot of bamboo  
 forests we were not use for modern way that was  
 not far from house construction in the rural area  
 would be plant growth  
 especially we got a big change by bamboo technology  
 In 2005 and 2006 by master chion and his team  
 master chion treats us like a father and family when  
 he teach us to understand his training  
 thank you very much again  
 specially Master chion and your team  
 please come again for new  
 bamboo technology  
 your sincerely  
 Aberashe 2008-11-29



Beletu Teferi

for all chin's experts you have a good approach and conduct  
 mister chin you give us your training course for the second time  
 we are happy that it is good for our country and for us to  
 we will be happy that it is continue like this for the  
 for the last time of our training it was in our mind we do so  
 many things by that training again and also you come here  
 and giving us the training again and we all are happy  
 and glad to you. we hope that in the next time continue this training  
 BELETU TEFERI  
 BT



Samson Mogire

TITLE: ADVANCED WORKSHOP TRAINING ON: 25/11/06:  
BAMBOO FURNITURE & WEAVING.  
02/11/06 to 14/12/06.  
VENUE: (FEMSEDA) ADDIS ABABA ETHIOPIA.

INTRODUCTION: Bamboo training workshop is its own extremely interesting because of new advanced technologies on Bamboo utilization, in weaving and furniture production. The training comprised of lectures and practicals.

OBJECTIVE/AIM: TO LEARN ADVANCED TECHNIQUES ON EFFICIENT UTILIZATION OF BAMBOO IN FURNITURE PRODUCTION AND WEAVING:

ACHIEVEMENTS:

- ① Seasoning/drying Bamboo to attain minimum moisture content. Technic ques.
- ② Selecting Suitable Bamboo Culms for furniture & weaving technic ques.
- ③ Scrapping Bamboo for furniture and weaving techniques.
- ④ Bending and joining Bamboo for furniture production technic ques.
- ⑤ Splitting Bamboo for low furniture & weaving techniques.
- ⑥ Weaving patterns technic ques.
- ⑦ Finishing techniques for furniture & weaving.
- ⑧ Guidelines of organizing Bamboo workshop and maintenance of tools techniques.

CONCLUSION: The Chinese experts who are saying all ways and means to set up a training center for the technologies on Bamboo utilization in furniture production & weaving. I take this opportunity to thank them in advance. By: Samson Mogire (Kenya).



Masresha Armide

Bamboo skill technology has been existed in Ethiopia for about the last decades.

However it did not attain its level best.

The new technology has been introduced to Ethiopia by the Chinese farmers since through their effective contribution of the skill.

Through bilateral agreement made between Ethiopia and China, the delegation led by trade to Ethiopia has opened the plan by assisting us through training skills and donations of bamboo hand tools to our organization.

Since their training and donation of hand tools has been made the former government has given much attention to their economic growth.

Beginning from this training conducted by trade we have come to understand:

- 1) The advancement of bamboo technology skill of furniture and weaving.
- 2) Use of bamboo for building low cost houses.
- 3) Through the study during conducted by trade we have discovered two heavy business of bamboo use pattern.
- 4) After I have visited the Chinese province of Hunan I have developed great skill and love for bamboo technology than I had ever before.
- 5) It is understood that if the skill is not get through training can be forgotten unless applied and exercised in their daily activity so to attain this facility.

1. The list of bamboo training of bamboo skill in Ethiopia must be sustainable with that progress.
2. Training of bamboo skill should be for a long rather than being short in order to deliver the skill to reach the desired goal.

I would like to give great gratitude and appreciation and high respect for the government of the people of China, and also for trade and for the Company of H. also, the great source of knowledge of bamboo skill.

Thanks  
 Masresha Armide

## **Part Two: Training Workshop on Bamboo Cultivation and Utilization**

### **I. Introduction to the Training Workshop**

Training Workshop on Bamboo Cultivation and Utilization was successfully held in Addis Ababa during 15 December-29 December 2006. There were 24 trainees, including 2 from Kenya, joined the training. Most of these trainees came from governmental organizations, research institutes and monitoring authorities in the fields of agriculture, forestry and environment protection.

Ethiopia has 1million hectares of bamboo forest, which take up to 67% of the total bamboo resource in Africa. But the huge area of bamboo forest has gone through weak management, poor structuring and low productivity in the past. The utilization to bamboo resources stayed in a preliminary level and the value addition to the bamboo resource remained minimal. The bamboo cultivation and management technology in Ethiopia was lagged far behind and there are very few bamboo professionals and experts in Ethiopia. All those factors, especially the technical aspect, have significantly limited and prevented the development of bamboo sector in Ethiopia.

The training was organized in accordance with the climate and geographic features as well as the bamboo species of Ethiopia. Bamboo experts with abundant theoretical and field experiences were invited to give lectures. The total time period of the training was 15 days, during which technologies on bamboo biology, bamboo propagation and management and bamboo utilization were transferred to trainees in both theoretical and practical way. The main contents of the training including bamboo morphology, bamboo flowering and bearing, bamboo propagation, bamboo seedling, bamboo afforestation, bamboo forest management, bamboo forest protection and bamboo processing and utilization.

Lectures of the training including:

- Bamboo Resource in Ethiopia and World
- Bamboo Morphology

- Bamboo Growth
- Bamboo Flowering and Bearing
- Bamboo Propagation and Afforestation
- Bamboo Forest Management and Harvesting
- Bamboo Forest Protection
- Bamboo Gardening and Greening
- Bamboo for Eco-tourism and Environment Protection
- Bamboo Charcoal and Bamboo Vinegar Production and Utilization
- Bamboo Industrial Utilization

There were 20 video materials used in the training, including

- Sympodial Bamboo Plantation for Four Season Bamboo Shoot
- Bamboo Afforestation
- Bamboo for Degraded Land Rehabilitation
- Bamboo for Fortune Creation
- Magical Bamboo Charcoal
- Bamboo Instruments and Music
- Bamboo Flooring Making
- Bamboo Utilization
- Utilization of Bamboo Branches
- Changing Bamboo Sea

Bamboos are giant, woody grasses which have special biological and ecological features. Bamboos have unique growing character, which is a very important biological basis for the bamboo cultivation. Therefore the training systematically introduced the morphological characters of different parts of bamboo, especially those characters that are crucial for judging the classification and age of bamboo, such as the shape of sheath, the branching situation and the color of bamboo culm and the characters of shrouds, adhesions and sheath ring. The growing characters of bamboo were introduced at both individual level and group level, so that trainees can have profound and detail understanding on the growth of bamboo and bamboo forest. Bamboo flowering and bearing have tremendous meaning on the regenerating of bamboo forest. Lecture on bamboo flowering, which contains knowledge on the

process of bamboo flower and bearing, the reason of bamboo flowering, the result of bamboo flowering and the influence of bamboo flowering on bamboo forest, were given as an important part of the training.

Lecture on bamboo morphology and biology gave the trainees understanding on bamboo as a plant in general. The trainees got general pictures on the biological process of breeding, growing and declining of bamboo forests, which provided a theoretical basis for the further studying on bamboo cultivation and management.

The developing of bamboo forest is a gradual process. Different cultivation techniques should be applied during different stages of the development. The training mainly concentrated on the propagation, cultivation and management of sympodial bamboo since majority of bamboos in Ethiopia are sympodial bamboo. The propagation of bamboo is the basis for bamboo afforestation. Therefore sympodial bamboo propagation methods were introduced in detail during the training, including whole culm raising, culm cutting, section culm cutting, ground layering and air layering.

Field practicing was also arranged to help trainees to handle the knowledge through practices. Two nurseries, one in FeMSEDA and one in the Ethiopian Forest Research Center, were selected to try out the different bamboo propagation methods. Bamboo masters explained and showed the technique in the field and the trainees practiced by their own. With the field practicing, the trainees can better grasp the techniques and put them into practical use. Silviculture is the first stage for bamboo afforestation. It has great importance on the growing of the bamboo forest and the quality of bamboo shoot and bamboo timber. Silviculture of sympodial bamboo forest, including knowledge on selecting bamboo species, selecting site, planting season, forest density and propagation method, were highlighted during the training.

A young bamboo forest refers to the bamboo forest within 3-5 years, during which special attentions and methods need to be applied to the forest management in terms of irrigation, intercropping, weeding, fertilizing and protecting shoots. Bamboo forest management methods are also varied according to the purposes of the forest, whether it is for the purpose of shoot collecting or timber collecting.

Another main topic of the training was bamboo forest protection, which includes the contents of pest and disease control.

Bamboo cultivation and management techniques mainly include three parts: bamboo afforestation, young bamboo forest protection and matured bamboo forest management. The trainees realized the importance of the bamboo high yielding technology to the forest management through the training. They grasped the basic technologies as the foundation for their future practice and production. Two trainees from Kenya also introduced their experiences in introducing bamboo species from Asia into to Kenya.

Most of the lectures were made in presentation with multi-media facilities. Large amount of pictures were used in the presentation to help the trainees to better understand the lectures.

An examination was arranged to test the effect of the training. All the trainees passed exam and graduated successfully.

The Training brought up a group of local bamboo professionests and experts, which will greatly support and promote the advancement of bamboo technology and the development of bamboo industry in Ethiopia. At the same time, the training consolidated the communication and cooperation between China and East Africa on bamboo technology, enlarged the potential of future cooperation.

## I Training Details



Lectures



Video Materials





Practice in the Field: Transplanting



Practice in the Field: Culms Cutting



Practice in the Nursery



Communications of Trainees on Their Bamboo Cultivation Experience



Graduation Ceremony of the Training Workshop on Bamboo Cultivation and Utilization

## Part Three Workshop for Promoting Ethiopian Bamboo Sustainable Development

### “Unleashing the Economic importance of Bamboo in Ethiopia”

Workshop for Promoting Ethiopian Bamboo Sustainable Development “Unleashing the Economic importance of Bamboo in Ethiopia” was held on 19 December, 2006 in Addis Ababa, Ethiopia. It was organized by International Network for Bamboo and Rattan (INBAR), supported by Ethiopian Ministry of Trade and Industry, Ministry of Agriculture and Rural Development and Chinese Embassy in Ethiopia. There were more than 100 attendances to the workshop, including H.E. Mr. Wang Chao, the Assistant Minister of Ministry of Commerce of China, H.E. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia, H.E. Mr. Ahmed Nasir, the State Minister of Ministry of Agriculture and Rural Development of Ethiopia, H.E. Mr. Lin Lin, the Chinese Ambassador, H.E. Dr. Coosje Hoogendoorn, the Director General of INBAR, H.E. Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office. The participants also visited the bamboo training workshop funded by Chinese Ministry of Commerce and implemented by INBAR in Federal Micro and Small Enterprises Development Agency (FeMSEDA).



## Visiting the Bamboo Training Workshop in FeMSEDA



The officials from China and Ethiopia were both satisfied with the training activities



Dr. Coosje Hoogendoorn, the Director General of INBAR presenting gifts to the officials from MOC, China



Mr. Linlin, the Ambassador of Chinese Embassy in Ethiopia Communicate with the Trainees about the Training programme



Dr. Coosje Hoogendoorn, the Director General of INBAR Give Presentation on the Workshop



Dr. Fu Jinhe, the Programme Officer of INBAR Give Presentation on the Workshop



Presentation on the experience and the production model of a bamboo based handicraft making company in China



Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia called upon the private sector to actively enter into the venture of bamboo utilization in his speech.





Mr. Ahmed Nasir, the State Minister of Ethiopian Ministry of Agriculture and Rural Development, made the closing speech

## **News Report on the INBAR Website**

### **"Unleashing the Economic importance of Bamboo in Ethiopia"**

#### **Workshop for Promoting Ethiopian Bamboo Sustainable Development held in Addis Ababa, Ethiopia**

Many Ethiopia decision makers meet to discuss Africa as one of the richest countries in bamboo resources. Bamboo is "magic" with "unexploited investment potential", The Ethiopian Herald described, after visiting the workshop for "Unleashing the Economic importance of Bamboo in Ethiopia" organized by INBAR on 19 December, 2006, in Addis Ababa.

Supported by Ethiopian Ministry of Trade and Industry, Ministry of Agriculture and Rural Development and Chinese Embassy in Ethiopia, the Chinese Ministry of Commerce and the Chinese Embassy to Ethiopia. More than 100 attendances, including H. E. Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry, who in his opening speech called upon the private sector to actively contribute to the venture of bamboo utilization. The Chinese Ministry of Commerce also expressed interest for the cooperation to be continued.

Recognized attendants of the workshop also included H. E. Mr. Ahmed Nasir, the State Minister of Ministry of Agriculture and Rural Development, Mr. Wang Chao, the Assistant Minister of Ministry of Commerce of China, and high officials and experts from INBAR, the Chinese Embassy to Ethiopia, GTZ (German Technical Cooperation), EU, Irish Aid, CIDA(Canadian International Development Agency), USAID(United State Agency of International Development), as well as bamboo professionals, entrepreneurs, journalists, etc.

The presentation on "The Potential of Ethiopian Bamboo Development and Future Cooperation" by Dr. Fu Jinhe, expert from INBAR, inspired the Ethiopian attendants on the untapped potentials of bamboo in livelihood, environment and economic development. At the same time, Dr. Coosje Hoogendoorn, Director General of INBAR gave an update on INBAR's new strategy in the next five to ten years with four major goals focusing on networking, livelihood generation (poverty alleviation), environment conservation and trade development; while Ms. Song Shuang, officer from demonstrated the significance of bamboo in poverty alleviation and rural development by presenting the experience and the production model of a bamboo based handicraft making company in China.

The workshop attendants were also impressed by the hands-on training course on advanced technologies and skills on bamboo weaving and furniture making, carried out by INBAR with 23 trainees from Ethiopia, funded by Chinese Ministry of Commerce and implemented by INBAR in Federal Micro and Small Enterprises Development Agency (FeMSEDA).

Dr. Hoogendoorn, who chaired the discussions about the future development, cooperation and priority area of Ethiopian bamboo sector, considered that the result of the workshop was initiative and substantive. Mr. Nasir,

commented at the closing speech that the technical assistance from INBAR has greatly contributed the sustainable development of Ethiopian bamboo resources, he strongly urge this effort to be strengthen in the future.

The Ethiopian News Agency, The Ethiopian Herald and ETV the Ethiopian TV station made substantial reports after the workshop about the potential of bamboo development and calls for investment in the relative sectors.

## **Workshop for Promoting Ethiopian Bamboo Sustainable Development**

### **“Unleashing the Economic importance of Bamboo in Ethiopia”**

**19 December, 2006 Wabe Shebelle Hotel, Addis Ababa**

Organizer: INBAR

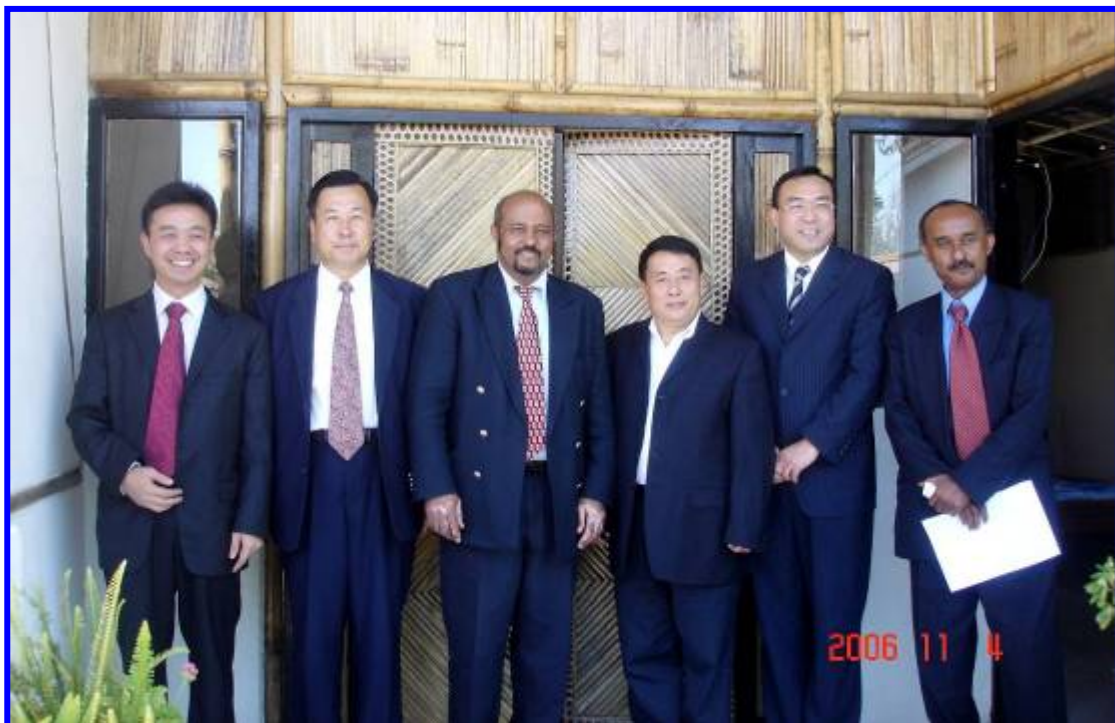
Supported by: the Ministry of Trade & Industry, Ministry of Agriculture and Rural Development and the Embassy of the People's Republic of China

### **Tentative agenda**

- 08:30 Registration
- 09:00 Opening of the workshop  
Dr. Coosje Hoogendoorn, Director General of INBAR
- 09:10 Opening Speech  
H.E. Mr. Wang Chao, Assistant Minister of Ministry of Commerce,  
the People's Republic of China
- 09:25 Opening Speech  
H.E. Mr. Tadesse Haile, State Minister of Industry, Ministry of Trade and Industry
- 09:40 Visiting Bamboo Training Workshop in FeMSEDA
- 10:20 Presentation  
The Potential of Ethiopian Bamboo Development and Future Cooperation  
Dr. Fu Jinhe, INBAR
- 10:50 Coffee Break
- 11:10 Introduction to INBAR  
Dr. Coosje Hoogendoorn, Director General of INBAR
- 11:25 Bamboo Handicraft Training, Innovation and Contribution to Rural Development  
Master Chen Yunhua and Ms. Song Shuang, INBAR
- 11:45 CFC Bamboo Project Activities in Ethiopia  
Mr. Melaku Tadesse, Country Coordinator
- 12:00 Closing Speech  
H.E. Mr. Ahmed Nasir, State Minister of Ministry of Agriculture and Rural Development
- 12:20 Certificating the trainees of bamboo weaving and furniture making  
Dr. Coosje Hoogendoorn and H.E. Mr. Tadesse Haile
- 12:30 Lunch Reception in Wabe Shebelle Hotel

## Part Four: Related Activities during the Training

The Chinese Ambassador Hosted the Trainers at His Residence



Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia, Mr. Zhang Yangwu the Representative of the Chinese Ambassador and Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office visited the Training Workshop and The Bamboo House



Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office visited the Training Workshop



Mr. Liu Yunbiao, the Chinese Counselor of Economic and Commercial office visited the Bamboo Forest in Ethiopia



Accompany Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia to Visit Bamboo Flooring factory in Ethiopia



Mr. Tadesse Haile, the State Minister of Ministry of Trade and Industry of Ethiopia Received Dr. Coosje Hoogendoorn, the Director General of INBAR in his office



Accompany GTZ Programme Officers to Visit Bamboo Forest in Ethiopia and discussing the possibility of cooperation





Visiting Private Bamboo workshop



Visiting the Authority of Water and Sewage of Ethiopia



After attending the Bamboo Utilization Training in 2005, Solomon opened his own bamboo processing factory in Addis Ababa. There are 13 employees with the monthly income of 1200 birr work in his factory. He told the trainers that the bamboo training has changes his life.



Solomon and His Bamboo Workshop



Solomon and His Bamboo Products



The Trainees and the Trainers set up very friendly relationship