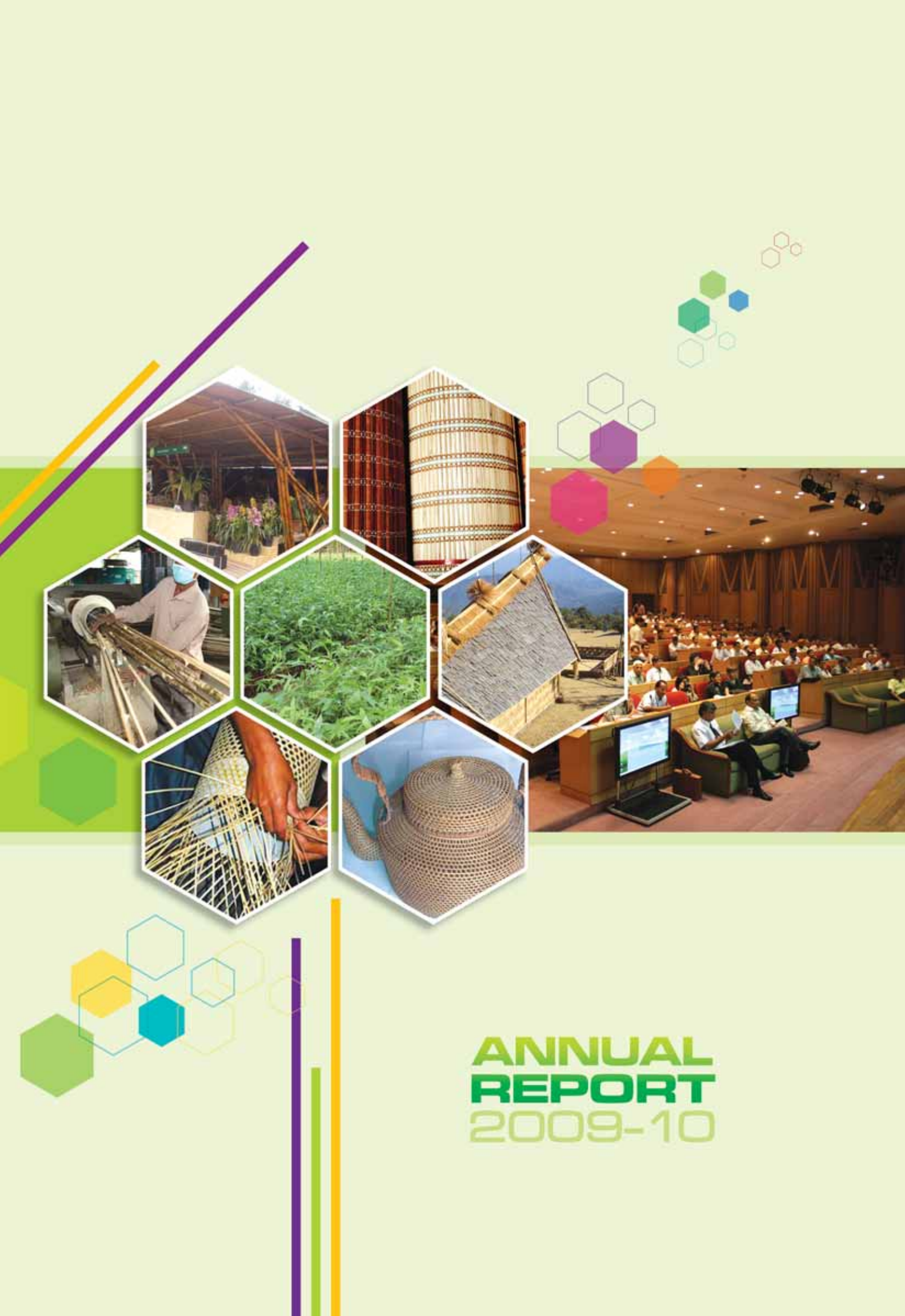


Cane and Bamboo Technology Centre

# ANNUAL REPORT 2009-10





# ANNUAL REPORT 2009-10

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## Governing Body Members

|  |                    |
|--|--------------------|
| Secretary, North Eastern Council (NEC), Shillong           | President/Chairman |
| Mission Director, National Bamboo Mission (NBM), New Delhi | Vice-President     |
| Adviser (Planning), NEC, Shillong                          | Member             |
| Adviser (E&F), NEC, Shillong                               | Member             |
| Financial Adviser, NEC, Shillong                           | Member             |
| State Mission Director, NBM, Assam                         | Member             |
| State Mission Director, NBM, Meghalaya                     | Member             |
| State Mission Director, NBM, Manipur                       | Member             |
| State Mission Director, NBM, Arunachal Pradesh             | Member             |
| State Mission Director, NBM, Tripura                       | Member             |
| State Mission Director, NBM, Nagaland                      | Member             |
| State Mission Director, NBM, Mizoram                       | Member             |
| State Mission Director, NBM, Sikkim                        | Member             |
| Representative of Bamboo Grower                            | Member             |
| Representative of Bamboo Processing Industries of NER      | Member             |
| Secretary, CBTC  | Member Secretary   |

## Executive Body Members

|  |                    |
|--|--------------------|
| Member Secretary, Governing Body of the CBTC, Guwahati             | Executive Director |
| Representation of the North Eastern Council, Shillong              | Member             |
| State Government Representative from Assam State Bamboo Mission*   | Member             |
| State Government Representative from Manipur State Bamboo Mission* | Member             |
| State Government Representative from Sikkim*                       | Member             |
| State Government Representative from Arunachal Pradesh*            | Member             |
| General Manager, Cane and Bamboo Technology Centre, Guwahati       | Member Secretary   |
| Accounts Officer, Cane and Bamboo Technology Centre, Guwahati      | Treasurer          |

*\*To be nominated on rotation basis from State Government*





# From the Director's Desk

The Year 2009 - 10 has been a turning point for the CBTC in terms of the different development achieved. The foundation stone for the NEC promoted Cane and Bamboo Technology Park, the 1st of its kind in the entire country, has been laid by the hon'ble minister for DoNER, Shri B.K.Handique on 23rd June, 2009 at Burnihat, Assam. It is a great progress for the region as far as the cane and bamboo sector is concern as this centre will be of immense help in promoting the cane and bamboo resource.

It is also encouraging to see that H.E. the Governor of Arunachal Pradesh, Gen. (retd) JJ Singh has shown great interest in promoting the cane and bamboo and by way of which a special exhibition on cane and bamboo has been organized for Her Excellency, the President of India inside the premises of the Raj Bhawan, Itanagar during 1st to 3rd April, 2009. The Governor also initiated a Bamboo Processing Centre at Poma village on the outskirts of Itanagar and the foundation stone for the Centre was laid by the hon'ble union minister for Home Shri P.Chidambaram on 2nd April, 2010.

Training is one of the core activity rendered by CBTC, and in this regard, several training and workshops has been conducted under the sponsorship of different agencies and government departs like - Capacity Building program of the NEC, Plantation and Nurseries training for farmers under the National Bamboo Mission, Cluster Development related training under the UNIDO project etc. Besides, other cane and bamboo based training too has been imparted to the Defence personnel and beneficiaries under state government departments like the DRDA, Char Area.

In this report, those activities carried during the Financial Year 2009-10 has been highlighted; while many achievements have been made, some activities are either ongoing or delayed due to circumstances beyond our control. With every passing year, CBTC has gained knowledge through experienced and is growing, I fervently hope that we will grow in strength and operation in the years to come with the support of our partner agencies.

All said, it has been the joint and cooperative effort of all the staff and officials of the CBTC that has enable CBTC to forge ahead and made a great stride in taking the cane and bamboo sector many steps ahead thereby contributing to growth of the economy especially for the region in particular.

I extend my sincere thanks to our supporters and to my co-staff for their cooperation in all our endeavors.

A handwritten signature in black ink, appearing to read 'Kamesh Salam'.

KAMESH SALAM

# Introduction

The Cane and Bamboo Technology Centre (CBTC) was established in Guwahati in the month of August 2000 as a centre/secretariat for implementation of *“Cane and Bamboo Technological Upgradation and Networking Project”* under the UNIDO country program for India. The rationale behind the project was to exploit the Cane and Bamboo Resources of the NE in a sustainable manner for the three E’s as below:

1. Productive **Employment** generation
2. Competitive **Economy**, and
3. Sound **Ecology**

After the conclusion of the Project in March 2004, it has been registered under the Societies (Registration) Act, 1860 on 23rd July, 2004.

*In the meantime, the North Eastern Council launched the “North East Bamboo Mission”. It is the outcome of a resolution adopted at the Council Meeting held at Gangtok in September, 2003. It has also been decided by the Council that the Cane and Bamboo Technology Centre, Guwahati will be the Implementation wing for the North East Bamboo Mission later rechristened as North East Regional Bamboo Mission (NERBaM).*

In the light of the bamboo rich geographical area out of which the Cane and Bamboo Technology Centre operates, the response from the people of the region had been tremendous and this strengthens our resolve to further formulate and implement carefully drawn out strategies to bridge the gap between technology and the craftsmanship in the NE. The CBTC has identified training and capacity building as the prime mover for any organized development of the bamboo sector. We have also embarked on further

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strengthening the traditional relationship with our neighboring countries through the common ties of bamboo development.

### Over the years, the CBTC has developed several core competencies

- A hub for information, technologies and networking on Bamboo sector
- A vehicle for multi- disciplinary approach to varied application of Cane and Bamboo
- Manpower development and training of craft persons, entrepreneurs and trainers
- Coordinator for technical, legal and economic policies on cane and bamboo
- Consultation to small and medium scale entrepreneurs in the cane and bamboo Industry

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### CBTC Organization

*The Governing Body* under the Chairmanship of Secretary, NEC is the highest decision making body of CBTC Society. Director, CBTC is the Member Secretary of the Governing Body. Mission Director of National Bamboo Mission is the Vice-Chairman and other members include the State Mission Directors of National Bamboo Mission in the NE region, Representatives from Bamboo Enterprises.

*The Executive Committee* comprising of nine members is the main body responsible for over seeing the activities of the CBTC and it is headed by the Member Secretary of the Governing Body. The Director is the over all head of the CBTC office which has about 25 regular staff and part-time consultants and also few subordinate staff.

### The main collaborating partners of CBTC include

- Development Commissioner (Handicrafts)
- Building Materials and Technology Promotion Council (BMTPC)
- Indian Plywood Industry Research & Training Institute (IPIRTI)
- German Technical Cooperation (GTZ)
- National Institute of Design (NID)
- China Bamboo Research Centre [CBRC], China
- BERC, China

# Activities under North East Regional Bamboo Mission (NERBaM)

Launched in 2005 by the NEC, the prime objective of North East Regional Bamboo Mission (NERBaM) is to promote holistic growth of the bamboo sector through area based regionally differentiated strategies. The main activities under this mission include:

## 1. Participation in Domestic Exhibitions

- Attended Workshop at TURA
- Exhibition at Maniram Dewan, Guwahati

## 2. Prototype Design Development

- Developed bamboo furniture for the Raj Bhawan , Itanagar

## 3. Bamboo Demonstration Structure

- Developed chicken coop model structure in collaboration with FARMERS

## 4. Operation of Bamboo Udyog

### Brief Description of activities under NERBaM

#### 1. Participation in Domestic Exhibitions

- Workshop at TURA:  
A team of CBTC officials attended the workshops on 8th Sept. 2009 and presented 3 papers on bamboo related topics
- Exhibition at Maniram Dewan, Guwahati

#### 2. Prototype Design Development

- Developed bamboo furniture for the Raj Bhawan , Itanagar







### 3. Bamboo Demonstration Structure

- Developed chicken coop structure in collaboration with FARMERS





## Activities under bamboo housing & construction

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Work undertaken during 2009-10 on bamboo housing and construction are given below:

| Project   | Status as on May - June, 2010 |
|---|-------------------------------|
| Construction of Aurobindo Ashram, Shillong            | Completed                     |
| Common Facility Centre at Diphu                       | Ground work just initiated    |
| Guest House at Gandhi Mandap                          | Completed                     |
| Interior works at the Office of the ministry of DoNER | Completing                    |
| Bamboo Houses in Bihar                                | Ground work just initiated    |
| Rural Post Office, Majuli                             | Ground work just initiated    |



# National Bamboo Mission [NBM], 2009-2010

CANE AND BAMBOO TECHNOLOGY CENTER (CBTC), Guwahati is one of the Bamboo Technical Support Group under NATIONAL BAMBOO MISSION (NBM) of the Ministry of Agriculture, Govt. of India. The CBTC is rendering technical assistance to the eight NE states and the states of Bihar, Jharkhand, Orissa and West Bengal in the implementation of the NBM schemes in their respective state.

Consolidated PROGRESS REPORT: 2009 - 2010 has been submitted to the Director, NBM and the same has been highlighted as follow:

## Certification of Planting Materials

An amount of Rs. 3.75 Lakhs was earmarked for conducting certification. Certification has been carried out to the following state till date for the current F/Y.

| STATE | NURSERIES  | Date of Certification | Remarks   |
|-------|--|-----------------------|---|
| BIHAR | 1. Janta Nursery, Dighikala, East Hazjipur<br>2. Bharat Vatika Nursery, Mahatma Gandhi, Jadhu Barai Tola, Hajipur, Vaishali, Bihar | 03/12/09              | Janta Nursery was not certified due to lack of required standard. |

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## Technology Transfer

- Training to Lead farmers**

As per the approval, the total number of Lead Farmers to be trained for 2009-10 was 70; based on which a time table was framed for imparting training to the Lead Farmers on "Nursery Raising & Commercial Plantation of Bamboo". An amount of Rs. 1.06 Lakhs was sanctioned in this regard @ Rs. 1520/- per head.

## Action Taken

A Training program was conducted during 29<sup>th</sup> January to 4<sup>th</sup> February, 2010 at Cane and Bamboo Technology Park, Guwahati for the farmers/cultivators of Jharkhand state. About 23 persons (all male) attended the





training and an amount of Rs. 36,480/- was utilized for the said training. Moreover, training was also imparted to the farmers of Bihar under the Koshi Command.

## Common Facility Centre at Munger, Bihar

An amount of Rs. 20.00 lakhs was released for the project for setting up of a Common facility Centre at Munger in Bihar state.

### Action Taken

CFC construction is ongoing and in the mean time purchase for machineries is in the process.

## Participation at Domestic Trade Fair

For the year 2009-10, sanctioned was accorded for participation in two domestic trade fairs and an amount of Rs. 7.67 was released for the purpose. BTSG-CBTC had participated in two domestic trade fairs on behalf of National Bamboo Mission ( IITF, 2009, New Delhi & Kerela Horticulture Fest, Cochin, 2009)



IITF, 2009, New Delhi 14th - 27th Nov. 2009



Kerela Horticulture Fest, Cochin 26th - 31st Aug. 2009

*The target nos. sanctioned for the purposed was achieved.*

## Centralized Publicity Campaign; Training Manual & Other publication & Printing

Training Manual on Nursery Raising, Commercial Propagation, Preservation and Primary Processing of Bamboo had been prepared and was translated in to some of the major regional language. For this, the assistance of specialized institutes and Forest Research Institutes has been utilized for making the module more comprehensive. This manual has been used in the Lead Farmers' and the Field Functionaries' trainings. Translation and publication of the same in different regional languages is being continued as per budget available each year.

### Action Taken

The numbers publications printed during the reporting period are as follows and in this regard, an amount of Rs. 12.00 lakhs was utilized for printing of the same:

| Publication                 | Quantity    |
|-----------------------------|-------------|
| Desk Calendar 2010          | 1000 copies |
| Coffee table book on Bamboo | 500 copies  |



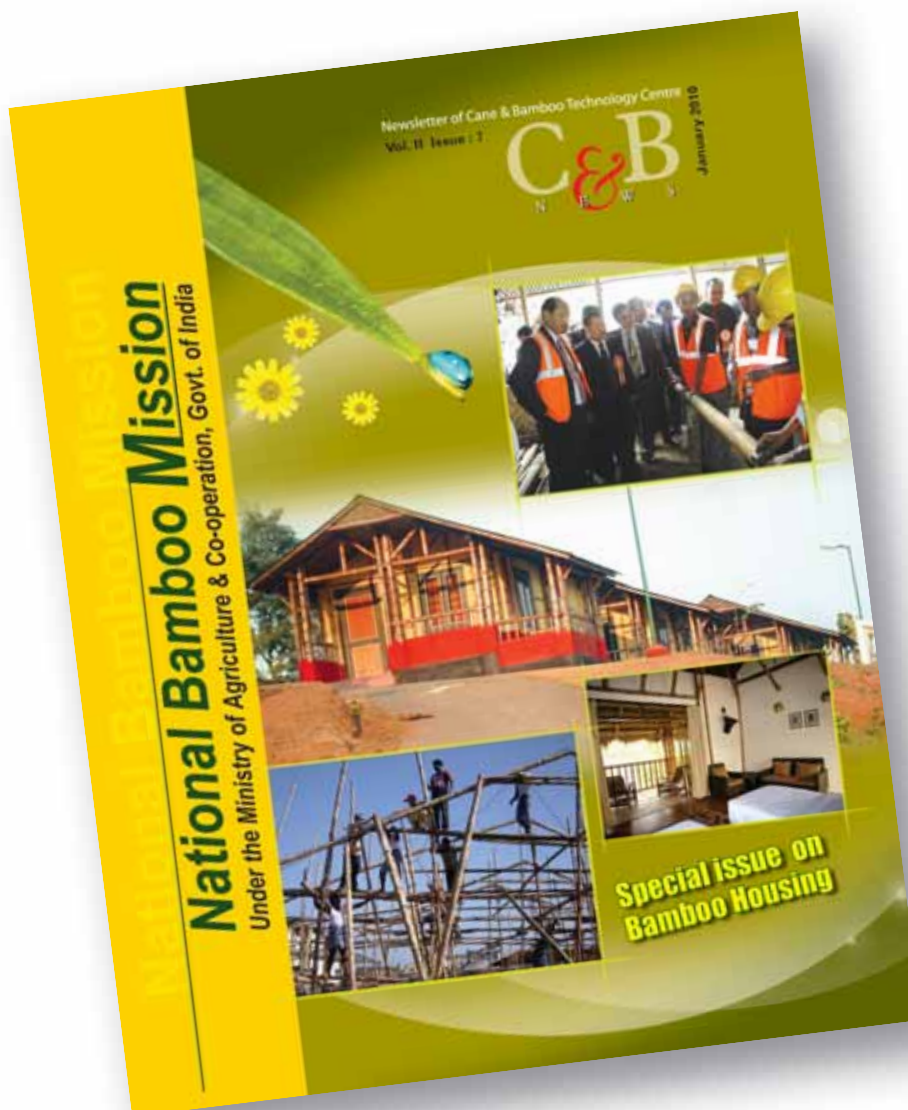
## Information Bulletin/News Letter

An amount of Rs. 3.00 lakhs was released for publication of C & B News letter on Bamboo.

### Action Taken

During this period, the CBTC has published two issues of C & B News letter one of which was a Special Issue focusing **Bamboo Housing and Construction** in order to disseminate awareness and also to promote the Utilization of Bamboo in Housing and Construction activities.

About 1000 copies are being printed and the same has been distributed to the CMs, Governors and other high ranking officials in and outset the country.



# Activities under UNIDO - 2009-2010

The CBTC-UNIDO second phase project entitled '*Promoting Livelihood in North-Eastern India: The Cane and Bamboo Networking Project*' was formally inaugurated by Shri Mani Shankar Aiyar, Union Minister for DoNER & Chairman, NEC at a function presided over by Dr. Kandeh Yumkella, Director General of UNIDO on April 9, 2008 in New Delhi. CBTC's association with UNIDO, however, is beyond specific projects. It has outgrown its identity as a recipient of funds to be a supplier of technical expertise for UNIDO's bamboo projects across the planet.

## Achievements 2009-10

### 1. Selection of Clusters: Clusters of bamboo artisans, producers, and traders have been selected in the following States

- ASSAM : Nalbari & Morigaon District
- Nagaland : Mokokchung & Dimapur District
- Mizoram : Kolasib district
- Arunachal Pradesh : Poma, Papum Pare District
- Meghalaya : West Garo Hills district

### 2. Base Line Study

Base line study has been conducted in the following States

- ASSAM : Nalbari & Morigaon District
- Nagaland : Mokokchung & Dimapur District

### 3. Trainings

| Sl. No. | Name of Training  | Date     |          | Nos. of Trainees | Venue                     |
|---------|---|----------|----------|------------------|---------------------------|
|         |   | From     | To       |                  |                           |
| 1.      | Training of Trainers under UNIDO's South-South Cooperation for participants from East Timor                               | 14/04/09 | 31/04/10 | 8                | CBTC, Guwahati            |
| 2.      | Bamboo Management and Plantation Training under UNIDO's South-South Cooperation for trainees of East Timor in Timor Leste | 21/09/09 | 08/10/09 | 50+              | East Timor in Timor Leste |
| 3.      | Aawareness generation programme on Cane & Bamboo Cluster  | 2/12/09  | 2/12/09  | 200              | Janigog, Nalbari, Assam   |
| 4.      | Trade capacity building in post harvest treatment & primary processing of bamboo  | 28/01/10 | 22/02/10 | 27               | Janigog, Nalbari, Assam   |



Workshop at Itanagar



Training at Nalbari, Assam

#### 4. Workshop

| Sl. No. | Name of Workshop                    | Date     |          | Nos. of Participants | Venue               |
|---------|-------------------------------------|----------|----------|----------------------|---------------------|
|         |                                     | From     | To       |                      |                     |
| 1.      | National Level Workshop on "Rattan" | 24/02/10 | 26/02/10 | 100                  | Itanagar, Arunachal |

# Training & Workshop activities (2009-10)

Below is given the list of trainings and workshops/exhibition conducted and/or participated by CBTC during 2008-09

| Sl.No. | Training for                     | Date  | Focus Trade                          | Nos. of participants | Venue                 |
|--------|----------------------------------|---|--------------------------------------|----------------------|-----------------------|
| 1      | East Timor                       | 14 <sup>th</sup> - 30 <sup>th</sup> April, 2010     | ToT                                  | 8                    | CBTC                  |
| 2      | Char Area                        | 13 <sup>th</sup> July - 11 <sup>th</sup> Aug. 2009  | Bamboo Technology                    | 23                   | CBTC                  |
|        |                                  | 19 <sup>th</sup> Aug - 17 <sup>th</sup> Sept 2009   | Bamboo Technology                    | 24                   | CBTC                  |
|        |                                  | 9 <sup>th</sup> Dec 2009 - 7 <sup>th</sup> Jan 2010 | Bamboo Technology                    | 8                    | CBTC                  |
| 3      | CRPF, Nalbari                    | 3 <sup>rd</sup> - 14 <sup>th</sup> March, 2010      | Bamboo based handicrafts             | 40                   | 136 Bn. CRPF, Nalbari |
| 4      | Bhutan Artisans                  | 28 <sup>th</sup> Jan - 20 Feb 2010                  | Design intervention                  | 199                  | Thimpu, Bhuta         |
| 5      | Orrisa artisans                  |   |                                      |                      |                       |
| 6      | Poma Village                     | 8 <sup>th</sup> - 13 <sup>th</sup> Aug 2009         | Machine operation                    | 4                    | CBTC                  |
|        |                                  | 1 <sup>st</sup> Feb - 15 <sup>th</sup> April, 2010  | Agarbathi making & machine operation | 10                   | Poma                  |
| 7      | Jharkhand Farmers                | 15 <sup>th</sup> - 20 Dec 2009                      | Bamboo nursery & plantation          | 23                   | CBTC                  |
| 8      | Dept. of Horticulture, Arunachal | 5 <sup>th</sup> - 7 <sup>th</sup> May, 2009         | Bamboo Nursery & plantation          | 21                   | CBTC                  |
|        |                                  | 19 <sup>th</sup> - 21 <sup>st</sup> May, 2009       | Bamboo Nursery & plantation          | 31                   | CBTC                  |
|        |                                  | 9 <sup>th</sup> - 11 <sup>th</sup> June, 2009       | Bamboo Nursery & plantation          | 16                   | CBTC                  |
| 9      | Capacity Building program of NEC | 3 <sup>rd</sup> & 4 <sup>th</sup> June, 2009        | Livestock & Poultry                  | 10                   | CBTC                  |
|        |                                  | 15 <sup>th</sup> June - 14 <sup>th</sup> July, 2009 | Basketry & Furniture                 | 15                   | Karguli, Guwahati     |
|        |                                  | 22 <sup>nd</sup> June - 7 <sup>th</sup> July, 2009  | Herbal Mosquito Repellant Agarbati   | 21                   | CBTC                  |
|        |                                  | 16 <sup>th</sup> - 21 <sup>st</sup> Nov 2009        | Bamboo Charcoal                      | 38                   | NBRC, Dimapur         |
| 10     | Koshi, Bihar                     | 9 <sup>th</sup> - 23 <sup>rd</sup> Dec. 2009        | Handicrafts & Furniture              | 8                    | CBTC                  |





## Consultancy Services

### 1. Common Facility Centre (CFC), Jharkhand

As per requested by the Bamboo Mission of Jharkhand, CBTC has extended technical guidance towards the construction of a CFC. The selection of machineries and its manufacturer, installation of the same has been carried out under the technical supervision of the CBTC. The required machineries have been already delivered to the site and installation is awaited as and when the CFC shed is completed.

### 2. Common Facility Centre, Morigaon

In collaboration with the Assam Central Social Welfare Board, a CFC has been initiated at Morigaon under the UNIDO phase II project. Field supervision has been undertaken by a local NGO - Morigaon Mahila Mehfil.

### 3. Preparation of DPR for Nagaland Bamboo Development Agency (NBDA)

A Detail Project Proposal (DPR) was prepared by the CBTC for NBDA for setting up of a Bamboo Technology Park in the state of Nagaland.



# Projects under Progress (ongoing)

## Bamboo Technology Park, Burnihat

The foundation stone was laid by Shri B.K.Handique on 23<sup>rd</sup> June, 2009. Since then the works has been in full swing. Aster floating tender, the Assam Police Housing Development Corporation Ltd. has been entrusted to carry out the construction work of the buildings and the work has just been started. The CBTC has been monitoring and supervising the implementation of the construction regularly.

## YAKAM Livelihood Project, Tripura

A LIVELIHOOD project was initiated in collaboration with the department of Tribal Welfare, Govt. of Tripura under the sponsorship of the North Eastern Council (NEC). The project main focuses are the Returnee Militants of Tripura and the objective of the project is to empower the population of Tripura by using Bamboo as special purpose vehicle.

The project implementing body has been constituted with the name "YAKAM" and it is still ongoing.

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### Status as on Date

- i) Electrification completed
- ii) Machineries installation 95% completed

The unit is expected to start by the end of the current Year.

## Project of DC (Handicrafts)

State Assisted Design Centre: This project was stated in 2008 and it is still ongoing. Details progress report and UC of Rs. 40.00 lakhs released as 1<sup>st</sup> installment has been submitted and in this connection official evaluation has also been undertaken by officials from the office of the DC (Handicrafts).

## Bamboo Mat Production Centre (BMPC)

Construction of building for BMPC with the support of BMTPC, New Delhi is under going at Nongcharm, East Garo Hill, Meghalaya. Tender for supply of Bamboo Processing Machineries to be installed at the centre has been under process and it will be floated in the near future.

## Bamboo based Agarbatti stick marketing

Cane and Bamboo Technology Centre (CBTC) has entered into MoU with ITC Ltd, SBU- Agarbatti Division on 9<sup>th</sup> January 2010, for producing agarbatti sticks and raw agarbatti in



the North East, except Tripura. The main objective of this MoU is to create employment opportunities and livelihood for the rural population in the North East through development of clusters for producing agarbatti sticks and rolling raw agarbatti. ITC Ltd will be giving their expertise in production methods and quality control and will buy back the produce of the clusters. CBTC will be the implementing agency for development of agarbatti clusters in different north eastern states and also responsible for monitoring the supply chain. Cluster development is under progress in Assam, Meghalaya, Nagaland, etc. The monthly requirement of polished stick is 100 MT and unpolished stick is 120 MT.



*CBTC & ITC Ltd, SBU-Agarbatti Division signed MoU*

# Events (2009-10) at a Glance

Bamboo based products & machineries exhibition for Her Excellency the President of India at Raj Bhawan, Itanagar on 1<sup>st</sup> April 2009



*H.E. the President of India being ushered through the exhibition*

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|    | CBTC events 2009-10  | Date   | Location                                      |
|----|--|--|---|
| 1  | Attended (Director, PKM, Zulu, and Anjal Goswami) an Exhibition at Raj Bhawan, Arunachal Pradesh where CBTC has displayed Bamboo Related items during the visit of Her Excellency the President of India | 1 <sup>st</sup> April, 2009 to 3 <sup>rd</sup> April, 2009   | Raj Bhawan, Arunachal Pradesh                 |
| 2  | Maiden visit of Secretary-NEC & Chairman-CBTC, Mr. U.K. Sangma to CBTC, SFSC & Meeting in CBTC & Kaziranga   | 10 <sup>th</sup> April, 2009                                 | CBTC, Guwahati                                |
| 3  | Conducted a two-week Training Program on Bamboo Technology for the participants from East Timor  | 15 <sup>th</sup> April, 2009 to 30 <sup>th</sup> April, 2009 | At CBTC office premises                       |
| 4  | Attended a National Level Workshop cum Exhibition by GM and Mr. Tameriyo Longvah, organized by the State Mission Director, Maharashtra (Nagpur)  | 17 <sup>th</sup> - 18 <sup>th</sup> April, 2009              | At Nagpur, Maharashtra                        |
| 5  | Visit of Mr. Antony De Sa, Director – UNIDO to CBTC and held a meeting with the participants from East Timor   | 19 <sup>th</sup> April, 2009                                 | At CBTC Office                                |
| 6  | A 3-day Training on "Nursery Technique & Commercial Plantation of Bamboo" for the Field Functionaries from the Department of Horticulture, Arunachal Pradesh held for 21 participants.                   | 5 <sup>th</sup> May, 2009 to 7 <sup>th</sup> May, 2009       | At Uttam Guest House, / CBTP Guwahati         |
| 7  | A 3-day Training on "Nursery Technique & Commercial Plantation of Bamboo" for the Farmers/Officers from the Department of Horticulture, Arunachal Pradesh for 34 participants (30+4)                     | 19 <sup>th</sup> May, 2009 to 21 <sup>st</sup> May, 2009     | CBTP, Bamunimaidan                            |
| 8  | A 3-day Field Functionary Training on Bamboo Technology for 16 Nos. of Participants from Hort. Department, West Siang, Aalo.   | 9 <sup>th</sup> June, 2009 to 11 <sup>th</sup> June, 2009    | CBTP, Bamunimaidan                            |
| 9  | Attended a Capacity Building Programme on Livelihood Project by Mr. I. H. Saikia & Mr. B.J. Lal at the Institute of Social Science, New Delhi organised by TARA Livelihood Academy, New Delhi            | 12 <sup>th</sup> June 2009 to 14 <sup>th</sup> June, 2009    | At the Institute of Social Science, New Delhi |
| 10 | A One month Workshop on Design Development and Prototype in Baskery & Furniture for 16 participants from Joypur, Kharguli, Guwahati  | 15 <sup>th</sup> June, 2009 to 11 <sup>th</sup> July, 2009   | Women Development Centre, Kharguli            |
| 11 | 15-days Training prog on Agarbatti Mosquito Repellenet for 25 participants from N.E.R.   | 22 <sup>nd</sup> June, 2009 to 7 <sup>th</sup> July, 2009    | CBTP, Bamunimaidan                            |
| 12 | One month Training Prog on Bamboo Technology for Char Areas Development Assam 28 participants  | 13 <sup>th</sup> July, 2009 to 11 <sup>th</sup> August, 2009 | CBTP, Bamunimaidan                            |
| 13 | 5 Nos. Blind people from Beltola, Guwahati for Training on Bamboo Handicrafts  | 14 <sup>th</sup> July, 2009 to 22 <sup>nd</sup> July, 2009   | CBTP, Bamunimaidan                            |
| 14 | A 3-days Training programme on Bamboo Technology for 30 farmers from Horticulture Department, Kurung Kumey District, Koloriang, Arunachal Pradesh  | 30 <sup>th</sup> July, 2009 to 1 <sup>st</sup> August, 2009  | CBTP, Bamunimaidan                            |



|    |   |  |   |
|----|---|--|---|
| 15 | A Training on "Bamboo Technology" held for the participants (4 Nos) from POMA District, Arunachal Pradesh   | 8 <sup>th</sup> August, 2009 to 13 <sup>th</sup> August, 2009          | CBTP, Bamunimaidan                            |
| 16 | Conducted a Training Programme on "Bamboo based Community Building" for the Participants from Poma Village  | 17 <sup>th</sup> August, 2009 to 18 <sup>th</sup> August, 2009         | At Itanagar, Arunachal Pradesh.               |
| 17 | Training on Bamboo Technology for the participants from FLO Organization, Guwahati  | 19 <sup>th</sup> August, 2009 to 28 <sup>th</sup> August, 2009         | At CBTP, Bamunimaidan                         |
| 18 | Organized a Training Programme for the participants from CHAR AREAS (2 <sup>nd</sup> Trg) on Bamboo Technology for 20 persons and simultaneously a Training conducted for 8 Participants from Kutting Pahar Village for 10 days from 19 <sup>th</sup> Aug. 09 (FLO-NE Chapter)  | 19 <sup>th</sup> August., 2009 to 17 <sup>th</sup> September, 2009     | CBTP, Bamunimaidan,                           |
| 19 | 3-days Training programme under BMTPC conducted at SFRI, Chimpu, Itanagar on Bamboo Based Community Building & large span structure   | 24 <sup>th</sup> August, 2009 to 26 <sup>th</sup> August, 2009         | At SFRI, Itanagar                             |
| 20 | Attended a Review Meeting by Director at NEC during the visit of Hon'ble Minister, DoNER  | 24 <sup>th</sup> August, 2009  | NEC Office, Shillong                          |
| 21 | Participated (V.Pillai and T.Longvah) at the Agri-Expo-2009 at Kochi organized by NBM   | 28 <sup>th</sup> August, 2009 to 31 <sup>st</sup> August, 2009         | At Kochi, (Ernakulam)                         |
| 22 | Attended the World Bamboo Congress by CBTC Team(Director, GM, Anil Das, HPK Singh, P.K. Mandal, I.H. Saikia)  | 16 <sup>th</sup> September, 2009 to 18 <sup>th</sup> September, 2009   | At Thailand, Gangtok                          |
| 23 | Conducted a Training Programme by Mr. Sreekanta Sarma & Mr. Zulu Pongen at East Timor on "Bamboo Nursery & Plantation"  | 18 <sup>th</sup> September, 2009 to 12 <sup>th</sup> October, 2009     | At East Timor                                 |
| 24 | Organised a Training Programme for the participants from North East on "Cane and Bamboo Furniture Making" sponsored by NEC for 24 participants.   | 13 <sup>th</sup> October, 2009 to 11 <sup>th</sup> November, 2009      | At Bamunimaidan (CBTP)                        |
| 25 | Participated in the IITF by Director, Mr. Tameriyo and Gopal Mahanta  | 11 <sup>th</sup> November, 2009 to 29 <sup>th</sup> November, 2009     | At New Delhi                                  |
| 26 | Training on Bamboo Charcoal Making for the participants from NE States  | 16 <sup>th</sup> November, 2009 to 21 <sup>st</sup> November, 2009     | At NBRC, Dimapur                              |
| 27 | A Consultative Meeting was organized by CBTC in association with ITC (Agarbatti Division) for Agarbatti Sticks at AIDC Conference Hall for  | 8 <sup>th</sup> December, 2009   | At AIDC Conference Hall, Guwahati             |
| 28 | Training on Bamboo Technology for the participants from Char Areas Development Assam  | 9 <sup>th</sup> December, 2009 to 7 <sup>th</sup> January, 2010        | At CBTP, Bamunimaidan                         |
| 29 | Attended a Seminar Cum Workshop at National Bamboo Mission, Patna (Bihar) by Director and PK Mandal and displayed Product Samples at the Venue  | 9 <sup>th</sup> November, 2009   | At Patna                                      |
| 30 | Training on Bamboo Furniture and Handicrafts Making for the participants from Koshi Command Areas Development Agency  | 9 <sup>th</sup> December, 2009 to 23 <sup>rd</sup> December, 2009      | At CBTP, Bamunimaidan                         |
| 31 | Attended the Kerala Bamboo Festival under NBM by Director   | 11 <sup>th</sup> & 12 <sup>th</sup> December, 2009                     | At Kochi, Kerala                              |
| 32 | Conducted a Training & Certification of Bamboo Planting materials by Mr. S. Sarma & Zulu Pongen   | 21 <sup>st</sup> November 2009 to 4 <sup>th</sup> December, 2009       | At Bihar                                      |
| 33 | Participated in the 5 <sup>th</sup> North-East Business Summit organized by Indian Chamber of Commerce  | 8 <sup>th</sup> & 9 <sup>th</sup> January, 2010                        | At Kolkata                                    |
| 34 | Participated in the "Horti-Food Fest 2010", a State level Fair & Exhibition organized by Dept. of Food Processing Industries & Horticulture, Govt. of West Bengal under NBM   | 9 <sup>th</sup> January, 2010 to 13 <sup>th</sup> January, 2010        | In West Bengal, Kolkata                       |
| 35 | Conducted one month Training on Bamboo Cluster Development under UNIDO  | From 28 <sup>th</sup> January, 2010 to 26 <sup>th</sup> February, 2010 | At Janigog, Nalbari                           |
| 36 | A Training Programme held for the participants from Jharkhand under NBM on Bamboo Cultivation   | 29 <sup>th</sup> January, 2010 to 4 <sup>th</sup> February, 2010       | At CBTP, Bamunimaidan                         |
| 37 | A one month training programme on Capacity Building program for the participants from Arunachal Pradesh (POMA Village)  | 1 <sup>st</sup> February, 2010 to One month                            | At CFC, Poma (A.P)                            |
| 38 | 58 <sup>th</sup> NEC Council Meeting held where All Governors/Hon'ble Chief Ministers/ Principal Secretaries/Chief Secretaries etc. from N.E. Region /Hon'ble Minister of DoNER, Dignitaries from Planning Commission/Home Secretary, Govt. of India/all senior officers, Hon'ble Members and staff from NEC/ Assam Govt. officials attended. | 9 <sup>th</sup> February, 2010   | Assam Administrative Staff College, Khanapara |
| 39 | Rattan Workshop at Itanagar under UNIDO   | 24 <sup>th</sup> – 26 <sup>th</sup> Feb. 2010                          | Itanagar                                      |

# Milestone

## Foundation stone laid for The Cane and Bamboo Technology Park

*Shri B K Handique Honorable Minister of Mines and DoNER & Chairman, NEC laid a new milestone for the North Eastern Region on 23 June 2009 at Burnihat.*



The much awaited CANE AND BAMBOO TECHNOLOGY PARK, a project of the North Eastern Council has been inaugurated by the Union Minister of Mines and DoNER Shri B.K.Handique on 23<sup>rd</sup> June, 2009 at Burnihat, Assam, in the presence of the Chief Minister of Meghalaya Shri DD Lapang,

the Agriculture Minister of Mizoram Shri Lian Sailo, Shri PP Shrivastava Member NEC, Shri P.L.Thanga former Secretary NEC, Shri U.K.Sangma I.A.S, Secretary NEC and several high ranking officials of the NEC, DoNER, Official State representatives, Bamboo Entrepreneurs and officials of the Cane and Bamboo Technology Centre (CBTC).

The Ministry of Environment and Forest, Govt. of India has allotted a plot of land measuring about 2 hectares within the campus of the State Forest Service College (SFSC), Burnihat, to the North Eastern Council for setting up of a Cane and Bamboo Technology Park (CBTP). Being the promoter of the facility, the NEC is setting up the Cane & Bamboo Technology Park with an estimated investment of Rs. 418.23 lakhs. The Cane and Bamboo Technology Centre (CBTC) has been entrusted to develop, implement and manage the technology park. The construction for this Technology Park will be contracted to a construction company of national repute to meet the required standards.

During his inaugural address, the minister for DoNER highlighted the relevance of bamboo in this part of the region as it gives sustenance to about 70% of its population. He expressed his appreciation for the application of technology for value addition of bamboo and further stressed the need for quality improvement on the bamboo & cane product as it is a competition to have a foothold in the world market. The minister concluded his speech with the assurance that the Foundation stone of the CBTP will not remain as a mere foundation and for that his ministry will extend all the support required.

Besides the DoNER minister, other dignitaries who addressed the gathering includes, Shri DD Lapang, C.M. Meghalaya; Shri PP Shrivastava, Member NEC; Shri Lian Sailo, Agriculture minister, Govt, of Mizoram and Shri S.C. Mukhopadhyay, Principal SFSC.

Shri P.P. Shrivastava delivered the welcome address and during his speech, he highlighted the background of the CBTC, the agency that has been instrumental in taking the initiative for the setting up of the CBTP and further gave a brief account of the bamboo resources availability in the NE region. He also stressed the potential of bamboo especially for the region and the need to harness this natural resource with value addition.

Shri D.D. Lapang while addressing the gathering expressed his happiness to the DoNER minister for the interest shown by the later towards the development of the NE region

from where the minister himself is hailing. Moreover, he also expressed his hope that the CBTP foundation will not simply remain as a mere foundation.

Shri S.C. Mukhopadhyay I.F.S gave a brief account of the initiatives taken by the SFSC along with the NEC for the CBTP project and also said that an MOU has been signed with the NEC in this regard. He brought about the scope and relevance of the CBTP for the development of the C&B sector and also for the people.

Mr. U.K. Sangma I.A.S, Secretary NEC delivered the vote of thanks and during his speech he also assured that the project will be operational within two years.

After the function, light refreshment was served and the program was over at about 5.30 p.m.

### **Notable dignitaries who graced the occasion includes**

- Shri B.K.Handique, Union Minister for DoNER, as the Chief Guest
- Shri DD Lapang, C.M. Meghalaya
- Shri PP Shrivastava, Member NEC
- Shri Lian Sailo, Agriculture minister, Govt, of Mizoram
- Shri S.C. Mukhopadhyay, Principal SFSC & representation of the MoEF
- Shri P.L.Thanga, former Secretary -in-Charge of the NEC
- Shri U.K.Sangma, Secretary, NEC & Chairman of the CBTC
- Dr. Jayanta Madab, Financial Adviser to CM, Assam
- Smt. Manjula Bhuyan, Adviser NEC (Banking, Tourism & Industries)
- Shri Kamesh Salam, Director CBTC

### **Besides, some of the other officials' representation that attended the function includes**

- Officials from the ministry of DoNER & NEC
- Officials from Forest Department of Arunachal Pradesh
- Officials from the Government of Assam
- Officials from the state of Meghalaya
- Banking sector, Entrepreneurs, Artisans
- Media



# Auditor's Report

We have audited the attached BALANCE SHEET of M/S. Cane and Bamboo Technology Centre ,Mother Teresa Road Guwahati-24, Assam. as at 31st March, 2010 and the annexed INCOME AND EXPENDITURE ACCOUNT for the year ended on that date. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report that :-

1. In our opinion and to the best of our information and according to the explanation given to us the accounts read with significant accounting policies, give the information in the manner so required under Societies Registration, Act 1860 and give true & fair view of the statement of accounts of the Society.
  - a. In case of Balance Sheet, of the State of affairs of the Society as at 31st March,2010
  - b. In case of the income and Expenditure Account ,of the Income of the Society for the year ended on that date.
2. We have obtained all the information and explanations , which to the best of our knowledge and belief were necessary for the purpose of our audit.
3. In our opinion, proper books of accounts have been maintained so far as appears from our examination of those books.
4. The Balance Sheet, and Income & Expenditure Account referred to in this report are in agreement with the books of accounts.
5. In our opinion, the Balance Sheet and Income and Expenditure Account dealt with by this report have been prepared in compliance with the accounting standards issued by the Institute of Chartered Accountants of India, to the extent applicable.

For Amlan Bhadra & Associates  
Chartered Accountants  
**CA. Amlan Bhadra**  
(PROPRIETOR)  
M. No. 51623

Date : 28.06.2010



**BALANCE SHEET AS AT 31-03-2010**

| LIABILITIES AND CAPITAL                           | SCHEDULE | AMOUNT         | ASSETS                                      | SCHEDULE | AMOUNT               |
|---|----------|----------------|---|----------|----------------------|
| <b>CAPITAL FUND</b>                               |          |                | <b>FIXED ASSETS</b>                         |          |                      |
| Opening Balance                                   |          | 8,669,072.07   | GROSS BLOCK :                               | C        | 12,591,563.80        |
|   |          | 8,669,072.07   | Less : Depreciation                         |          | 6,599,597.82         |
|   |          |                | NET BLOCK                                   |          | 5,991,965.98         |
| <b>GRANT IN AID :</b>                             | <b>A</b> | 8,669,072.07   | <b>WORK IN PROGRESS</b>                     | <b>D</b> |                      |
| i) North Eastern Council                          |          | 10,000,000.00  | D C(Handicrafts) Project                    |          | 3,998,228.00         |
| ii) Development Commissioner (H)                  |          | 4,000,000.00   | Tripura Livelihood Project                  |          | 17,236,571.00        |
| iii) North Eastern Council ( Trg)                 |          | 189,811.00     | Tool Kits/Machine Arrangement               |          | 400,000.00           |
| iv) Director of Employment And Craftsmen Training |          | 4,138,233.17   | CFC Diphu under NBM,Delhi                   |          | 1,412,108.00         |
| v)Ministry of Agriculture & Cooperation           |          | 3,682,630.00   | CFC Morigaon under CWB,Delhi                |          | 10,318.00            |
| vi )BMTPC   |          |                | Mat Production Centre, Tura                 |          | 1,034,720.00         |
| <b>LOAN FUND</b>                                  |          | 22,010,674.17  | Const. of Bamboo House at Bihar             |          | 123,515.00           |
|   |          |                | Const. of Post Office, Majuli               |          | 23,931.00            |
|   |          |                | Bamboo Technology Park at Burnihat          |          | 7,901,118.00         |
| <b>CURRENT LIABILITIES &amp; PROVISIONS</b>       | <b>B</b> |                | <b>CURRENT ASSETS ,LOANS &amp; ADVANCES</b> | <b>E</b> |                      |
| Outstanding Liabilities                           |          | 2,909,377.00   | CASH AND BANK BALANCES                      |          | 5,090,714.19         |
| Sundry Creditors                                  |          | 5,723,001.52   | Receivables                                 |          | 7,886,099.00         |
| Advances  |          | 16,783,100.00  | Advances                                    |          | 130,343.00           |
| Security Deposit                                  |          | 3,000.00       | Less : Excess of Expenditure Over Income    |          | (4,858,593.59)       |
| <b>Notes on Accounts</b>                          | <b>V</b> | <b>Total :</b> | <b>Total :</b>                              |          | <b>56,098,224.76</b> |

Signed in terms of our report of even date

**FOR AMLAN BHADRA & ASSOCIATES**  
**CHARTERED ACCOUNTANTS**  
 (PROPRIETOR)

Place : Guwahati  
 Date : 28st of June, 2010

## INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD FROM 01-04-2009 TO 31-03-2010

| EXPENDITURES                             | SCHEDULE | AMOUNT         | INCOME                                  | SCHEDULE | AMOUNT               |
|--|----------|----------------|---|----------|----------------------|
| <b>To Grant in Aid Utilization</b>       |          |                | <b>By</b>                               |          |                      |
| NERBaM                                   | F        | 963,985.40     | NERBaM                                  | A        | 963,985.40           |
| Ministry of Agriculture , New Delhi, NBM | G        | 4,073,606.00   | Ministry of Agriculture, New Delhi, NBM |          | 4,073,606.00         |
|  |          |                | <b>Misc. Income</b>                     |          | <b>5,037,591.40</b>  |
| <b>To Misc. Expenditures</b>             |          |                | <b>By</b>                               |          |                      |
| Construction of Bambo Housing            | H        | 2,297,635.00   | Construction of Bamboo House            | P        | 2,428,235.00         |
| Training & Workshop                      | I        | 4,129,584.00   | Consultancy Service                     | Q        | 5,754,900.00         |
| Consultancy Expenses                     | J        | 5,690,191.00   | Training & Workshop                     | R        | 3,570,019.00         |
| Bambo Bazar                              | K        | 849,884.00     | UNIDO -CBTC Phase II project            | S        | 4,098,304.54         |
| UNIDO -CBTC Phase II project             | L        | 4,252,669.00   | BAMBOO BAZAR                            | T        | 773,459.00           |
| 58th Council Meeting NEC                 | M        | 3,327,853.00   | Organising 58th Council Meeting NEC     | U        | 3,327,853.00         |
|  |          |                |   |          | <b>19,952,770.54</b> |
|  |          |                |   |          | <b>20,547,816.00</b> |
| <b>To Admn. &amp; General Expenses</b>   | N        | 3157311.53     | <b>By</b>                               |          |                      |
| <b>To Meeting Expenses</b>               | O        | 284,900.00     | Misc. Income                            |          | 429,788.81           |
| <b>To Audit Fees and Filing fees</b>     |          | 42,700.00      |   |          |                      |
| <b>To Depreciation</b>                   | C        | 1,208,425.42   |   |          |                      |
|  |          |                | <b>By</b>                               |          |                      |
|  |          |                | Excess of Expenses Over income          |          | 4,858,593.59         |
| <b>Notes on Accounts</b>                 | V        | <b>Total :</b> | <b>Total :</b>                          |          | <b>30,278,744.35</b> |
|  |          |                |   |          | <b>30,278,744.34</b> |

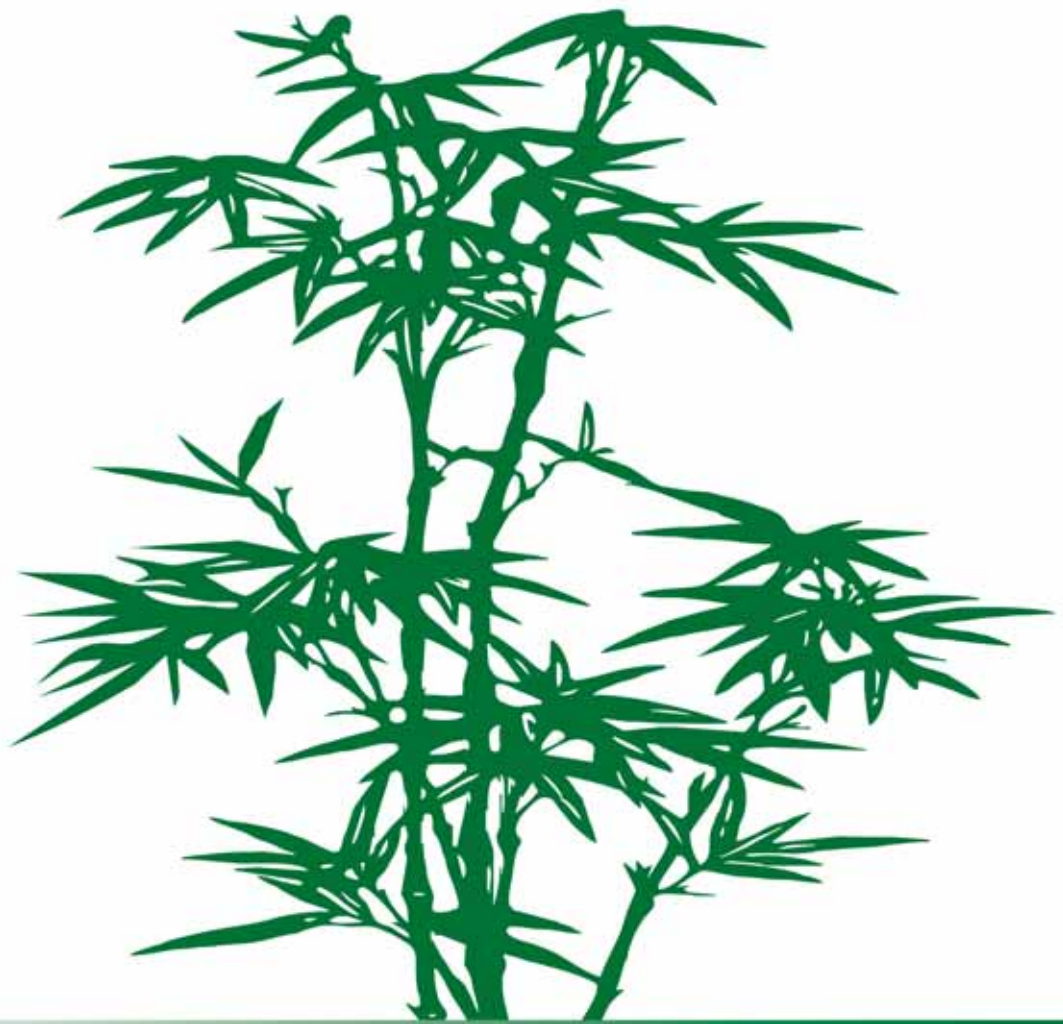
Signed in terms of our report of even date

FOR AMLAN BHADRA & ASSOCIATES  
CHARTERED ACCOUNTANTS  
(PROPRIETOR)

Place : Guwahati

Date : 28st of June, 2010





## Cane and Bamboo Technology Centre

(Bamboo Technology Support Group under National Bamboo Mission)

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Website: [www.caneandbamboo.org](http://www.caneandbamboo.org)