

Micro Common Facility Centres (MCFCs):

MCFCs were suggested by Prof. Rao during the UNDP project to introduce tool kits and Small Machines developed at IDC with a proper context. This idea was accepted by DC (H). Consequently 18 MCFCs were sanctioned for N.E. Since the concept was new 3 were taken up by IDC for trial implementation. MCFCs are small village units which may or may not have electric supply. A typical unit is to cater to the needs of 15 to 25 artisans. A work shed was to be provided by N.G.Os, entrepreneurs or state governments. The tools, Small machines and Technology and Training was provided by D.C. (H) through IDC. 3 MCFCs were taken up at Dizehephe (Nagaland), Nalchar (Tripura) and Barapeta (Assam) supported by N.H.H.D.C., Poorbasha and SaptaShree (a private entrepreneur) respectively. The concept of MCFCs as given in the next pages, was circulated to concerned officials and the Societies running the MCFCs. Visits were made by Prof. Rao to each of these places to explain the groups what it means to have an MCFC, as the concept was new.



Cocept Document for MCFCS

M.C.F.Cs are conceived to cater to the needs of bamboo craft persons in the remote villages. Each MCFC will have hand-operated machines, Hand Tools, Jigs and Fixtures as well as a Smoke-chamber for collective use of around 15 craft persons who could form a Cooperative Society. The number can increase with proper planning of the utilization of facilities.

A model lay out for the facilities is suggested. However, the facility can be built into existing 'structures' with proper planning and modifications.

M.C.F.Cs need to be seen as instruments to induct new culture of upgrading bamboo and cane craft on a self-sustaining basis. They will become organizing units for bamboo craft to compete with the industrial products in the global markets. M.C.F.Cs can become "windows" to the out side world for the craftpersons in remote villages to recieve Design, Technology, Training and Marketing inputs on a continuous basis. In due course they will be 'profit' making units, able to hire all such Services.

Each M.C.F.C. can specialize in a product line to capture a market-share. A 'design strategy' based on strengths and weakness of particular group is essential for such achievement.

M.C.F.Cs can become centres to procure orders and new designs. They can stock components of products in other materials like jute, brass, powder-coated steel for the use of crafts persons.

Availability of such components and materials which are not

readily available in the local markets, will become a major factor to compete in the Urban Markets. Products from each MCFC can go with a 'brand mark' ensuring certain standard of quality and reliability to ensure continuous orders.

M.C.F.Cs can also become experimental grounds for introduction of distant education in bamboo craft.

For the success of M.C.F.Cs, an integrated approach is essential.

1.0. Various facilities which will be given to each M.C.F.C.

1.1 Hand operated Machines

Two sets of Four Hand operated Machines will be given to each M.C.F.CS.

- 1.1.1 Hand operated Splitting Machine
- 1.1.2 Width Sizing Machine
- 1.1.3. Thickness Sizing Machine
- 1.1.4 Hand operated Sander

1.2 Hand operated Drilling Machine

A hand operated bench drill with 2 speeds.

1.3. Tool Kits

Tool kit has 33 items in a special bag. Two of this will be given to each M.C.F.C.



Tool Kit items:

Jiq Plane Adjustable Hacksaw Machete Foldable Pruning Saw

IDC Multipurpose Knife Mini Hack Saw. IDC Fine Solitting Knife Key Hole Saw

IDC Width Sizer .Hand Drill Pruning Scissors Hammer. IDC Gauge IDC Piercing Tool Inside Calipers Rim Binding Needle Outside Calipers Fevial

Steel Rule Small Box Measuring Tape .Templates Sand Paper pad Compass Sand Paper file IDC weaving Tool Nædle files Propoing Knife

Chisel Edged Rasp File Work Board

Emery Stones SittingMat

Half Round Scrapper

1.4. Additional Tools

5 other tools which have specific use for the cluster.

1.5. Vices: Two bench vices.

1.6. Work bench:

Two work benches of 1'x4' and 4'x4' will be given on which all the machines and vices will be mounted as shown in the plan.

1.7.A small Cup Board for Tools

A small cup board to store tools and components required for the craft persons.

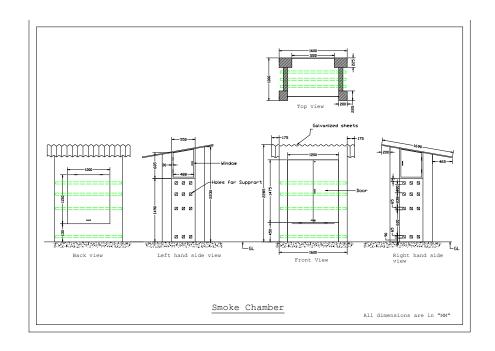
1.8. Jigs and Fixtures

General jigs and fixtures for making rims of baskets will be provided.

Product specific jigs for specific products will also be provided.

1.9. Smoke chamber

A smoke chamber to smoke baskets will be given. Model Smoke Chamber has overall dimension of 3'x4'x6% built in brick. Fuel is put in the pit at the bottom. 4'x3'x4'. i.e. 48 cu.ft. is provided for smoking. Racks inside will facilitate keeping of bamboo items.

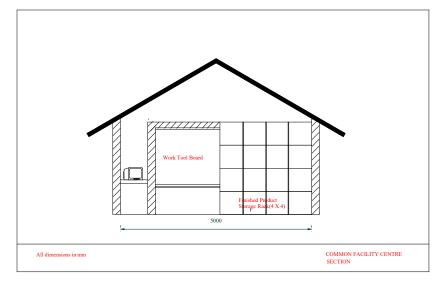




2.0. Facilities to be provided by local Govt., N.G.Os or Craft Societies.

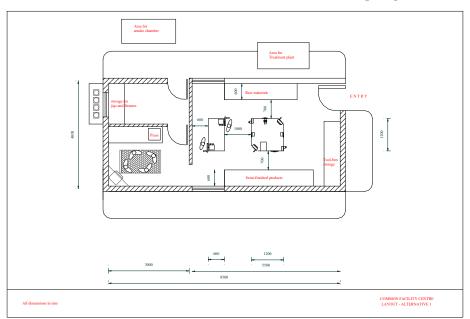
2.1. Space, Shed

A model lay out with 15'x30' covered area is suggested as shown in the plan. It can house '8' craftpersons working on machines, '8' persons weaving and 4 to 5 persons making rims and finishing. Spaces for semi-finished and finished material are given. Bamboo treatment, dyeing and smoking will be done out side the shed.



Cross sectional view for MCFC with storage space for finished goods

lay out plan for MCFC



1½'x1½'x1½' carton boxes will be used by each craft person to store each day's produce. 15 to 18 such boxes can be kept in the area provided for the purpose. Simple racks are adequate to keep the boxes. Drinking water, toilet facilities need to be provided though not indicated in the lay out.



2.2. Water and Electric supply

Electric supply is not essential as all the machines are hand operated. Where electricity is available it is handy for better lighting and adding power operated tools later.

Normal water availability is enough for natural dye finishes and even treatment.

2.3. Raw material storage

Large raw material storage is not anticipated as each craft person can bring or handle their own raw material. If needed they can develop storage facility out side the shed.

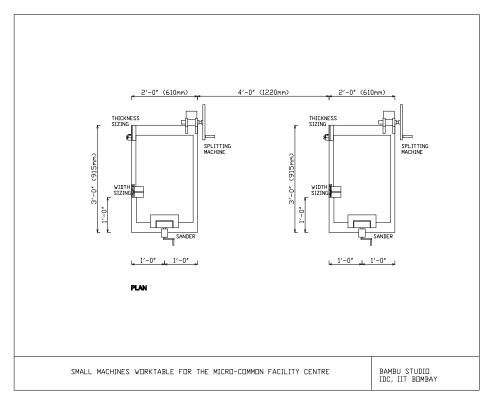
2.4.Transport

Access to transport will be an asset to take out the finished goods for out side marketing.

3.0. Design and Training facilities:

Design and Training facility will be given to M.C.F.Cs under different schemes of U.N.D.P. through D.C. (H), C.B.T.C. and IDC, IIT Mumbai.

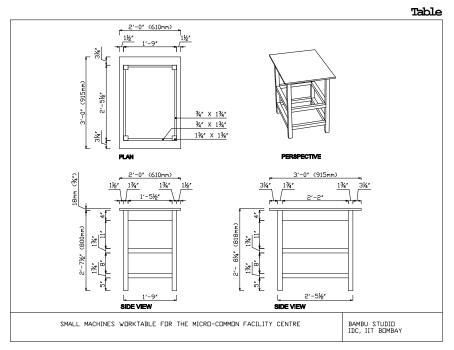




Lay out for work-tables with machines

A lay-out plan for two tables with machines is suggested. However the lay outs can be worked out as per the local convenience. Care in planning needs to be taken to provide a free flow of raw material as well as people.

A table of minimum size is also suggested. If space is available a bigger table can be used as it can give more stability while operating the machines.





prof. Rao with the craft group



MCFC at Diezhephe (Nagaland)

Diezhephe is a newly formed village with the settlers who came out of insurgent groups. A Common Facility Centre was already built under Nagaland Handloom and Handicrafts Corporation (NHHDC) grant for woodwork. The suggestion for MCFC came from NHHDC due to the infrastructure which was already available. This village is only around 20 km from Dimapur by road. Craftspersons at Diezhephe were working only in wood. Bamboo was an additional new venture though most of the Naga craftpersons know bamboo weaving. The chairman of the Diezhephe Craft Society is a dynamic person. All the persons were warm, friendly and had lot of respect for Ms. Hekali Zhimomi, Managing Director (M.D.) of NHHDC. Having a dynamic officer at the helm of NHHDC helped in setting up MCFC.



Chairman of Diezhephe





Diezhephe workshop. Sunder and rudrapal working with the group

Social Response

M.C.F.C. became a focal point for creating faith in Bamboo Craft and Bamboo products at Diezhephe, as there is need for bringing value to the declining traditional culture.

Prof. Rao made visits to Jalokhi, Mocockchung, Khonoma, Wokha and Lakhoti villages. Ms. Hekali Zhimomi, M.D. of NHHDC accompanied to some of these places. Large gatherings at each of these places were shown the new tool kit with demonstration.

One-day workshops were also held at Dimapur for the local craft persons.

Local newspapers highlighted the efforts on bamboo craft and Future possibilities.

N.H.H.D.C. has been selling the 'coil technique' bowls made by one entrepreneur at Jaloki. Diezhephe group has been locally marketing the bowls and plates.

The M.C.F.C. has also paved the way for increased acceptance and demand for new tool kits which are distributed by D.C. (H). It has also resulted in increased interactions of I.D.C. with N.H.H.D.C. 3 M.Des Students spent one month in Dimapur and Dizehephe in 2002 and one student spent one month in Dimapur in 2003 as part of their training where they assist local design efforts.



Design Approach

A new design approach was taken for Diezhephe by introducing bamboo and wood combination products. A coil technique bowl was initially developed at IDC and introduced. Later after looking at the Naga traditional bowls, a combination of wood bottom with Naga Carving was incorporated. Thus the new 'Naga bowl' saves lot of wood as a big log need not be chipped off, for making a bowl. Bamboo combination with coil technique replaces major part of the wood in addition to providing a new look. The bottom wood part and the wooden lid make the bowl a value added item which has an urban market potential.

Coil technique plates were also introduced at Diezhephe. A new basket with a wooden base was another new introduction. Naga craft products are known for 'good quality and high cost'. It is important to keep the high quality as the local carving skills and cultural identity have a value in the local as well as urban markets out side. The products need to be marketed as high end products.



simple bamboo bowl in coil technique



a craftsman carving the bottom of Naga bowl



finishing the bowl



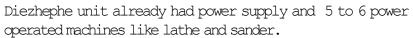


MCFC at Diezhephe





tray with 3D weave was introduced at Dizhephe



The following Tools and Machines were given to the Unit.

Tables were financed as they were made by them.

A Smoke Chamber of their own adoption was built as Nagas have a tradition of smoking baskets at their homes.

Tools/Goods given to Diezhephe:

Item	Qty.
1.Tool Kits	2 nos.
2.Splitting Machine	2 nos.
3. Width Sizer	2 nos.
4.Thickness sizer	2 nos.
5. Sander with Table	2 nos.
6.StripRoller	1 no.
7. Hand Grinder	1 no.
8.Photo Cutter	1 no.
9.Hole Saw	2 sets
10.File Frame Jigs	2 sets
11.Flower Basket Moulds	2 nos.
12.Knock Down Mould	2 nos.
13.Bowl Mould	1 no.
14.0val Tray Mould	2 nos.
15. Round Stick Making	
Tool	1 no.
16.Elliptical Jigs	
(Small acrylic tray)	1 no.
17.Circular jigs	1 no.
18.Drill Bit Set	1 no.
19.File set	1 no.
20. Needle File Set	1 no.
21 Helliex Small Drilling Tool	1 no.



Bamboo container with Naga motifs





Rudrapal showing a detail to Mr. Purch

young craftsman learning coil technique



Training:

Training workshops of week-long duration were held twice at Diezhephe 4 persons were called to Mumbai for week-long workshops where they were trained along with craft persons from Assam and Tripura, Kerala, Gujarat and Maharashtra.

Along with Diezhephe Craft persons, 4 entrepreneurs from Nagaland were called to the workshops at IIT, Mumbai for training with the help of NHHDC. These entrepreneurs came with their own expenditure. The combination of 2 craft persons and two entrepreneur craft persons each time made travelling and reaching Mumbai easy for the craftsmen. The exposure to Urban Markets and small Industries at Mumbai were rewarding experiences to the craft persons. The entrepreneurs also were helped to purchase the tools of right quality at the Bombay market.





Mr. Puroh and others at IDC workshop





M.C.F.C. at Barapeta (Assam):

M.C.F.C. at Barapeta was located at 'Sapthashree Handicrafts' belonging to a local entrepreneur. The entrepreneur employs 7 to 8 persons. The unit also caters to many villages around as the unit 'acquires' products from them and supplies to NEHHDC.

'Sapthashree Handicrafts' has been a supplier of various bamboo products like lamps, trays to NEHHDC for long time.

Several 'design inputs' in the past have been given to the unit through D.C. (H) design schemes. The unit had enough space for M.C.F.C. Incidentally a Common Facility Centre by D.C. (H) was also started at the unit. A smoke chamber was built by Saptharshee as per IDC design.











New Designs

Products with Coil Technique had a strong impact on the craft persons. The craftsmen adopted the technique and developed new designs of their own like elliptical tray with the cane weaving (introduced by IDC based on Khonoma weave) for the handles. Other products being made by the unit were also studied. Design improvements were suggested for easy manufacture and better finish using the new tools and machines given to the unit.





Rudrapal showing the rimmaking

Training

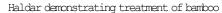
A week-long workshop was held at 'Sapthashree' premises in which several craft persons participated.
Mr. Pradeep Babar,
A.D. at D.C. (H) office in Guwahati was also present on the Inaugural day of the workshop.

Craft persons were trained in the use of tool kit as well as Small Machines.

Coil Technique was introduced to the group.

2 persons from Sapthashree attended a week-long workshop in Mumbai.

'2' persons missed
the first workshop as
they cancelled their
trip in the last minute
because they were
asked by the
NEHHDC officials to
attend a 'Market meet'
at the same time.





The craft persons in general at Barapeta use 'Gamaxin' for treating bamboo.

Gamaxin is a banned item now all over the world as it does not 'bio-degrade'.

Borax, Boric acid treatment was introduced to the group.

The coil technique bowls are being made and sold in the local market by Sapthashree. Mr. Mohibul Hussain, the owner-craftsman who attended workshop at Mumbai is very enterprising and is 'training' other craft persons in coil technique for NEHHDC after attending the IDC workshop.





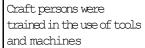
M.C.F.C. at Barapeta

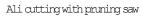


C 11Th UNDP



craft persons trying the splitting machine







Sundar explaining a point to Ali







M.C.F.C. at Nalchar (Tripura):

The M.C.F.C. at Nalchar was taken with the suggestion of D.C. (H) and Parbasha (State Govt.) An existing Society at Nalchar which had a building was identified. Prof. Rao visited the place initially and suggested expansion of space as MCFC needs open space to work. As the current building was built as storehouse there is no ventilation in the unit. A meeting was held with Mr. Battacharjee, Director, Industries who promised that the bioper place will be built, as an extension of the existing unit. However, no progress was made after 6 months. Mr. Bhattacharjee had retired and the new person was not aware of the promise. Since the project had a limited time frame, Tool kits and Machines were sent to Tripura. A workshop was planned. Unfortunately the workshop was called off at the last moment due to insistant demand from D.C. (H), as new B.C.D.I. programme was being inaugurated by N.I.D. few days after the workshop. The craftsman who had already reached Kolkata was called back.

M.C.F.C. at Tripper got slight set back due to the above reasons and the volatile, unconducive situations during local election which limits the 'timing' for holding the workshops.

However the required tables for the machines were made. Tool kits, small machines and other tools were given to the Women's Society at Nalchar.

Tools/Goods given to Nalchar Women Hasta Kala Silpa Sabha Samiti Ltd., Nalchar Tripura (W):

Description	Qty.
1. Splitting Machine	2 nos.
2. Width Sizer	2 nos.
3. Thickness Sizer	2 nos.
4. Sander with Stand	2 nos.
5. Tool Kits	2 nos.
6. Spanner	1 no.
7. Screw Driver	1 no.
8. Rubber Blocks	4 nos.
9. Emery Paper for	
Sander	4 nos.
10. Hand Grinder	1 no.
11. SR 998	100 Gms
12. Tray Moulds (Round,	
Oval.Square)	1 set each
13. Product Specific Tools	1 set
14. Strip Outter	1 no.
15.4mm Marker	1 no.
16. Mould for Gift Basket	1 no.
17. Mould for Gift Basket Rim	1 no.
18. Paper Basket Rim Mould	1 no.
19. File Cover Styrene Jigs	1 set
20. Acrylic Sheet	2 nos.







Mr..M.L.Das



An instructor at BCDI





Training workshop at BCDI, Agartala

A 2-day workshop was held at B.C.D.I. on tools and small machines in which local craftpersons, B.C.D.I. instructors, B.C.D.I. Students attended the workshop.

Mr. M.L. Das, Director of Industries inaugurated the workshop.

A full set of Tools, and a set of Machines

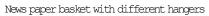
A full set of Tools, and a set of Machines were given to B.C.D.I. to be used in their Training programme. N.I.D. Faculty who have undertaken the training programme of B.C.D.I. were also present in the workshop and extended their support in visual presentations. Mr. Pulaha Dasgupta gave a brief introduction of the N.I.D. work.





New Designs

Tripura has the highest potential for adopting the new designs. The small basket with lid, newspaper basket, Note pad, File cover were introduced. Coil technique was also introduced.

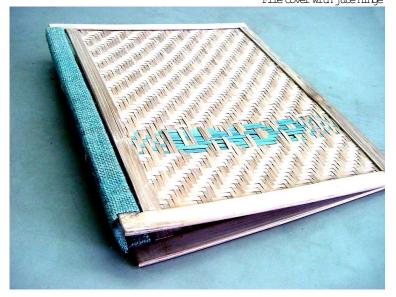






Note pad

File cover with jute hinge



UNDP)

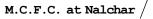


Craft person trying width sizer

Workshop at Nalchar

A week long
workshop was held
in Nalchar in which
several craft persons
attended from
Nalchar. They were
trained in the use of
Tool Kit and
Machines.

Two Persons from
Tripura were also
trained at Mumbai
for a week in use of
Tools and Machines.



prof.Rao explaining the group



learning the use of splitting machine



Rudrapal demonstrating coil technique





Conclusion

Both phase 1 and phase 2 of the project, 'Tools , Technologies nd Finishes ' have been successfully completed.

Setting up three Micro Common Facility Centres in North East has also been completed.

550 tool kits have been made and supplied.

60 sets of small machines have been made and supplied.

Three manuals on use of tools, Small machines and Finishes in addition to a general brochure have been brought out.

Technology Transfer for manufacturing tool kits and Small machines has been done successfully.

Two small manufacturers are making and Supplying Tool kits as well as Small machines at Mumbai.

8 Cane tools have been developed. 10 sets have been made and supplied after validating them.

3MCFCs were assisted in Technology and Designs. Training in using the tools and small machines was given. New prouct designs and supporting technologies like moulds, jigs and special tools were also given to each of the MCFCS.

Continuation of work with these MCFCs and setting up new MCFCs are being handled by DC(H) officials now.

Tools, small machines and finishes developed have made an impact judging from the continuous requests recieved by Bambu Studio of IDC for conducting workshops as well as setting up MCFCS. Continuos queiries for supply of tool kits and small machines have also been coming from individuals as well as various agencies.

The details of the workshops conducted along with names and addresses of craftpersons who attended are given in the annextures.

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'Get up' Programme

Day - 1	9.00 to 10.00 -	Inauguration		S.P.Sarma, M.DNRFDI
	10.00 to 11.00	-Importance of product get-up. Products from Indonesia, Thailand, Costa Rica, China & Japan. Use of Tools, Machines & finishes. Bamboo Products, Tools & Machines developed at IDC.	-	Slide + Video talk - A.G. Rao
	11.00 to 11.15	Tea		
	11.15 to 12.00	Demonstration of		
		· Splitting Machine · Width sizing Machine	-	Rudrapaul (Craftsman)
		Thickness sizing Machine Sanders Hand Tools		Avinash (Designer)
	12.00 to 1.00	Participatory Workshop	-	A.G. Rao Sukumar M.S.G.Rajan
	Lunch			ri. 3. G. iva jan
	2.00 to 3.00	Demo of Natural Dye Colouring	-	Rudrapaul
	3.00 to 4.00	Practice Session in small groups on tools and machines	-	Avinash Rudrapaul
	4.00 to 5.00	Tool sharpening, Hardening, Machine maintenance	-	M.S.G.Rajan A.K.Das

Annexture1 /

Day - 2	9.00 to 10.00	Design Translation: Making to size, Drawing, measuring, marking Use of gauges	-	A.G.Rao Sukumar Avinash
	10.00 to 11.30	Introduction to Tool kit/work station, Product Specific tools, Demo. of frame based products + Video		Avinash Rudrapaul A.G. Rao
	11.30 to 1.00	Production Planning, Costing Cost effectiveness by using jigs, fixtures and special tools simple jigs, split jigs	-	A.G. Rao M.S.G.Rajan Avinash
	Lunch	توهر عسية بروهر عسيست		11011
	2.00 to 3.00	Practice Session on jigs, machines, tool kit		-M.S.G.Rajan Avinash Rudrapaul
	3.00 to 4.00	Product Detailing, combining with other materials, use of different finishes and colours.		-A.G.Rao
	4.00 to 5.00	Finishing with sand paper, Staining with wood stains and lacquering.	-	Avinash
Day - 3	8.00 to 9.00	Visit to IIT Gwahati		
	9.00 to 10.00	Introduction to Bamboo work in the Design Department	-	A.K.Das S.Nadkami
	10.00 to 11.00	Spray Painting	-	A.K. Das
	11.00 to 1.00	Spray Painting - Practice session		-A.K. Das M.S.Sajuman
	Lunch			-
	2.00 to 3.00	Back to C.B.T.C.		
	3.00 to 4.00	Discussion on tool kit, Needs of crafts persons		A.G. Rao Kamesh Salam
	4.00 to 5.00	Feed back session	-	IDC team Kamesh Salam Absar Hazarika S.Nadkarni

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Craft persons:

- 1. Mr. Manish Kumar Jain, Pragjyotika Enterprises, Chhabra Bhawan, M.S. Road, Rly.Gate No.4, Fancy Bazar, Guwahati-781 001. Dist. Kamrup, Assam.
- 2. Mr. Niranjan Chakraborty, C/o. Satyandra Chakraborty, P.O. South Chorilam (Karamura), Tripura (West).
- 3. Shri Dusu Chatung, C/o.A.D.T.H. Industrial Estate, Naharagum Arunachal Pradesh, Dist. Papum Pare, P.O. Naharlagum, Pin:791 110.
- 4. Shri Mimar Sora, C/o.A.D.T.H. Naharlagum, Dist. Papum Pare, Arunachal Pradesh, P.O. Naharlagum, Pin:791 110.
- 5. Mr. Biraj Sharma, Bajer GHO, Vill + P.O. Dedar GHO, P/S Gurimuri, Dist. Sunip Par Assam.
- 6. Mr. Sudhir Mujumder, C/o.Surendra Ch. Majumder, P.O. + Vill - East Malchar, P/S Melaghar, Dist. Tripura (West), Pin:799115.

7. Craftperson (name not noted)

- 8. Mr. Mutum Kanta Singh, Pastoi part (I), N.C. Road, Imphal Manipur - B.P.O. Pastoi, P.O. Langjing.
- 9. Shri Meisnam Tambi Singh, Pastoi Part (III), N.C. Road, B.P.O. Pastoi, P.O.Langjing, Imphal (West), Manipur-795 113.
- 10.Mr. Moirangthem Tondon Singh, Lambal Sabal Liekai, S.P.O.Lamsang Bazar, Pin:795 146 Manipur.

11. Meghalaya 3 participants

1 Dhomsing Paniang, Uml ing, BPO Umling, P.O.Nangpols, Ribhoi Dist., Meghalaya (ii) Brol Kynter, C/o. MHHDC Ltd., 'Lasmat' Upland Road,

Last Umkhrols, Shillong - 793 802. Ph: 225 776.

(iii) Manja Kynter,

'Roiang' Vocational Training Centre for the Disables, St. Edward's School, Shillong - 793 002. Ph: 228 471.



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Craft Instructors

- 1. Mr. M.C.Das, R.D.T.D.C., C/o. DC (H), Housepad Building, Baltala Road, Gwahati - 6.
- 2. Shri A.K. Raha, B.C.D.I., Agartala - 799 066.
- 3. Shri Rajesh Kalila, Instructor, R.D.T.D.C., Beltola Bashista Road, Guwahati - 781 028.
- 4. Shri Santi Ram Sharma. Handi Craft Project, Assam Govt. Marketing Corprn. Ltd., Nalbari (Assam).
- 5. Mr. Rameshwar Das, C.F.C. NEHHDC Ltd., Gurchur, Guwahati-35.
- 6. Mr. S. Javanta Singh, Asst. Instructor D.T.C. (Barboo), N.E.R.O., Guwahati. (Present Address)

Langthabal Mantrikhong, Awang Hikai - 795 003, Imphal - Manipur. (Permanent Address)

- 7. Mr. Makan Das, B.C.D.I., Acartala.
- 8. Mr. Shaja M.S., IIT-G, Guwahati.

Enterpreneurs

- 1. Mr. Bimalauri, Hindustan General Stores, Carali, Jorhat - 785 001. Tel: 320321; 323 531.
- 2. Mr. Satinder Sindh, Sigma Cane Décor, K.K. Path, Jorhat, Ph: 323 297 / 328 080.
- 3. Mr. Pranjal Bhattacharya, Nature Craft, C/o. Nutria, Near City Heart Nursing Home, Rajgarh Road, Guwahati - 781 005. Tel.0361-552664 (R), E-mail: Pranjalb@usa.net
- 4. Shrimanti Dutta, Home Makers. Basistha Road, Beltola, Guwahati - 781 028.

- 5. Shri Manendra Deka, DELA - Cane and Bamboo, Vill. Metnakuchi, P.O. Santinagar, Dist. Barpeta (Assam.)
- 6. Mr. Satyajit Barua, C/o.S.K. Das, Dhupquri, Balarbhitha, Barpeta Road, Dist. Barpeta, Assam (Ph.03666-62816) (Permanent, Address)

Mr. Satyajit Bana, C/o. Mr. U.N. Sharma, Guwahati - 781 009. Ph: 0361 - 511 740 (Present Address)

Govt. Officers:

- 1. Mr. Parivat, Director, M.H.H.D.C., Shillang.
- 2. Mr. Lalhuma-IAS, M.D., NEHHDC, Shillarg.
- 3. Mr. Hatzaw, Regional Director, DD(H)'sOffice.



Workshop at Nagaland	9.Shri Tahyim Konyak Tangnyu Village,	Mon,	20.Shri P. Thungo Yanthan Bethesda Youth Welfare Centre,	Dimapur
List of registered candidates for attending workshop in cane & bamboo	C/o Dist.Manager, NHHDC Mon.		194 Duncan Bosti, P.B.No.33, Dimapur.	
Sl.No. Name and Address District 1.Shri Ghdhevi Zunhaboto C/o Dist. Manager, NHHDC Zunhaboto	10.Shri Tingham Konyak - Shingnha Chingnyu, C/o. Dist. Manager, NHHDC Mon.	Man	Unregistered Candidates 1.Shri Alem Longkumer	Dimapur
2.Shri Huvito Sema - do as above-	11.Shri Zakiekedo Angami Mechanised Furniture & Handicraft Unit, Chumukedima	Dimapur	Country Craft, 7th Mile, Chumukedima.	Шариг
3.Shri Tia Ao Mokokchung Mopongchukot (Mkg) C/o Dist. Manager,	12Shri Zuben Lotha Naga Exotic Society, 4th Mile, Dimapur.	-do-	2.Shri Imlongdhaba Chang Pioneer Handicraft Unit, Walford, Dimapur.	-do-
NHHDC Mokokchung. 4.Shri Apong Ao - do as above-	13.Shri Zacitse Sapu Diezephe Village	-do-	3.Shri Huveta Tetsee C/o. Manager, NHHDC Kohima.	Kohima
5.Shri Tiamangalang Phem - do - CDC, NHHDC, Mangkolemba	14Shri Nirmal Exclusive Cane, Dimapur	-do-	4.Shri Nuvoto as above	Kohima
6.Shri Kihoylo Sama -do- C/o CDC, Mangkolemba.	15.Shri Yetsapemo Lotha C/o. Dist. Manager, NHHDC Wokha.	Wokha	5.Shri Vikheto Yeptho Dimapur	Dimapur
7.Shri P.Threbse Chang Tuensang Yimpang Village, C/o Dit. Manager, NHHDC Tuensang.	16 Shri Zupenthung Lotha C/o. Dist. Manager, NHHDC Wokha.	Wokha	6.Hetoi Yeptho 7.Rokovikho Tsiepera Village, Kohima Dist.	Kohima
8.Shri T.Chaangsimen-do-Chingmei Village, C/o Dist. Manager, NHHDC Tuensang.	17.Shri Ponkgu Khiamniungar C/o CDC NHHC Dimapur. 18.Shri Phudau Phom as above 19.Shri Longdang Phom as above	n Dimapur -do- -do-	8.Jongshimeren Dimapur	Dimepur



3-day Workshop at Nalchar (20th, 21st & 22nd September, 02)

List of Participants:

1. Sri Sajal Das, S/o Nepal Das, East Nalchar.

2Sri Bimal Sukladas, S/o Lalmohan Sukladas, East Nalchar.

3.Smt.Jadish Das, W/o Subah Nama, East Nalchar.

4. Sri Jagadish Das, S/o Late Surendra Das, East Nalchar.

5Sri Ranjit Das, S/o Debendra Das, East Nalchar.

6.Smt. Marani Das, W/o Ashu Das, East Nalchar.

7.Smt. Putul Nama, W/o Satish Nama, East Nalchar.

8. Sri Mahendra Nama, S/o Debendra Nama, West Nalchar.

9. Sri Anil Debnath, S/o Late Akshoy Debnath, East Nalchar. 10.Sri Sukhen Debnath, S/o Narendra Kp. Debnath, East Nalchar 11. Sri Adwaitya Debnath, S/o Late Chandrasagar, East Nalchar.

12. Sri Goranga Sarkar, S/o Lalmohan Sarkar, West Nalchar.

13. Sri Sachindra Debnath, S/o Late Pran Ballo Debnath, East Nalchar.

14. Sri Manindra NamaS/o Late Ramani Nama, East Nalchar.

15.Smt. Kajal Nama, W/o Kalachand Nama, West Nalchar.

16.Sri Swadesh Nama, S/o Late Ramesh Nama, West Nalchar.

17. Sri Ranjit Nama, S/o Late Rakhal Ch. Nama, West Nalchar.

18. Sri Pratip Nama, S/o Late Harendra Nama, West Nalchar.

19. Sri Sumangal Ch. Sukladas, S/o Harendra Ch. Sukladas, Bangabasa.



2-day workshop at B.C.D.I., Agartala on 18th & 19th September, 2002

List of Craft persons/Officials who participated in the workshop:

Name & address of craftsmen

1.Shri Samir Ghosh, S/o. Shri Sadhan Ch. Ghosh, Vill. & PO Indranagar, Agartala, Tripura (W).

2.Smt. Rinku Deb, D/o Shri Bimal Ch. Deb, Vill. & PO Indranagar, Agartala, Tripura (W).

3.Smt. Jyotsna Das (Mazumdar), Vill. & PO Indranagar, Agartala, Tripura (W).

4.Smt. Nandita Chakraborty, Vill. & PO Indranagar, Agartala, Tripura (W).

5.Shri Manik Nama, S/o Sri Sadhan Nama, Vill. & PO South Charilam, Tripura (W).

6.Sri Prasanta Mahali, S/o Sri Kamal Mahali, Vill. & PO Indranagar, Agartala, Tripura (W).

7.Sri Dipak Das, S/o Sri Dinesh Ch. Das, Vill. & PO Indranagar, Agartala, Tripura (W). 8.Smt. Kajal Rani Das, W/o Sri Pulin Behari Das, Vill. & PO Charilam, Tripura (W).

9. Shri Sukesh Ch. Paul, S/o. It. Haridas Paul, Town Pratapoparh, Agartala, Tripura (W).

10. Shri Gopal Sutradhar, Banamalipur, Agartala, Tripura (W).

11.Smt. Banu Nama, W/o. Sri Madan Nama, Vill. & PO South Charilam, Tripura (W). 12.Smt. Parul Nama, W/o Sri Monmohan Nama, Vill. & PO South Charilam, Tripura (W).

13.Sri Anath Bandhu Sutradhar, M/s. Daru Shilpalaya, Town Pratapgarh, Agartala, Tripura (W).

14.Smt. Sandhya Sutradhar, W/o Sri Sadhan Sutradhar, Vill. & PO Indranagar, Agartala, Tripura (W).

15.Smt. Sadhana Sarkar, W/o Tapan Sarkar Dhaleswar, Aqartala, Tripura (W).

16.Sri Monoranjan Debbarma, S/o Padma Mohan Debbarma, Vill. Duigaria, P.O. Uttar Desh Garia, Tripura (W).

17.Sri Sankar Rudrapaul, S/o Sri Raj Kumar Rudrapaul, Vill. & PO Nandan Nagar, Agartala, Tripura (W) 18.Sri Manoj Kr. Debnath, S/o It. Atul Ch. Debnath, Vill.&PO Bagabasha, Tripura(w).

19.Smt. Nitya Rani Debnath, W/o Monmohan Debnath, Vill. & PO Charilam, Tripura(W).

20.Sri Goutam Das, S/o Sri Gouranga Das, Vill.&PO Jogentranagar, Agartala, Tripura(W).

21. Sri Krishnadas Paul, Master, Para, Agartala, Tripura (W).

D/o Sri Sukhlal Debnath

22.Sri Ranu Ch. Das, S/o It.Bholanath Das, Vill. Milansangha, PO A.D.Nagar, Agartala, Tripura (W) . 23.Smt. Amita Debnath,

24. Sri Dilip Nama, 32.

O/o the DC(H), Agartala.

Sri Dilip Nama,

S/o Sri Manindra Nama,

Jogendranagar, Agartala, Tripura(W).

Jogendranagar, Agartala, Tripura (W).

25.Smt. Bhanu Nama, D/o Sachindra Nama, Jogendranagar, Agartala, Tripura(W).

26.Sri Partha Sarathi Dutta, C/o Ramesh Chaudhuri Radha Kishorepur, Tripura(W).



Participants from B.C.D.I. & M.S.E.C., Agartala:

27. Shri S.R. Masram, Officer-in-charge, BCDI, O/o the DC(H), Khejurbagan, Kunjaban, Agartala.

28. Shri A.K. Raha, Tech. Supervisor, BCDI, O/o the DC(H), Agartala.

29. Shri Makhan Ch. Das, Master Craftsman, BCDI, O/o the DC(H), Agartala.

30. Shri Rabindra Debnath, BCDI, O/o the DC(H), Agartala.

31.Smt. Sachi Karmakar, Instructor, BCDI, O/o the DC(H), Agartala.

32.Smt. Bina Debnath, Instructor, BCDI, O/o the DC(H), Agartala.

33. Shri A.K. Das, Investigator, M&SEC, O/o the DC(H), Agartala.

Workshop at IDC

List of Participants from Bangalore & Nagaland

:

1.Mr. B.P. Ramachandra, R.T.D.C., 32, Victoria Road, Bangalore - 560 047.

2.Mr. Puttaswamachar, R.T.D.C., 32, Victoria Road, Bangalore - 560 047.

3.Mr. Alem Longkumer, Country Craft, 7th Mile, Chomukedmir, Dimapur, Nagaland.

4.Mr. Ase Chuzho, Diezhephe Craft Society, Dimapur, Nagaland.

5.Mr. Z. Sapu, Diezhephe Craft Society, Dimapur, Nagaland.

6.Mr. Arun C. Das, Post & village Narchar (E), O/o.DC(H), Tripura.

7.Mr. Dilip Das, Post & Vill. Nalchar (E), Police Station Melaghar, Tripura (W).

8.Mr. Zuben Lotha, Naga Exotic Society, 4th Mile, Dimapur, Nagaland. 7-day workshop held at IDC, IIT-B from 3 - 9th September, 2002

Participants from Nagaland & Barapeta:

1.Mr. T. Yanger Sor,
P.O. No.13,
Mokokchung, Nagaland.

2.Mr. S.P. Purch,
Diezhephe village,
Dimapur, Nagaland.

3.Mr. Vepfuto,
Diezhephe village,
Dimapur, Nagaland.

4.Mr. Kaidinpilak, Samzuriram village, Jalukie, Nagaland.

5.Mr. Mehbool Hussein, Saptashree Handicrafts, Barapeta.

6.Mr. Samad Ali, Saptashree Handicrafts,

Barapeta.