



TRAINING ON BAMBOO UTILIZATION AND VALUE ADDITION



**Common Facility Centre for Bamboo Processing & Training
Forest Products Division
Forest Research Institute
P.O. New Forest, Dehradun-248006**

The bamboos are incredibly versatile and useful. Bamboos have been used by people in imaginative and widely varied ways wherever they are found. They have long history of use and play important role in the daily life of millions of people. Furthermore, in these days of rapid environmental degradation, this highly renewable resource has immense importance. Although bamboo is known as Poor man's timber, it has not received due importance. Bamboo is known to be one of the fastest growing plants in the world, and can be used for various purposes like handicrafts, furniture, construction material, mats, baskets, tool-handles, hats, traditional toys, musical instruments etc. There are several problems associated with bamboo utilization like non durability, end splitting, surface cracks and cracking at the nodes, fungal discolouration, malleability of bamboo slivers and strips, due to which artisans are not able to get required value addition for their novelty items. Several techniques have been developed at Forest Research Institute, Dehradun for bamboo processing and working. A Common Facility Center for bamboo processing has been recently established at Forest Research Institute to provide training to different end users.

Existing facilities:

- Bamboo Cross Cut Machine
- Bamboo Knot Cum Skin Removing Machine
- Bamboo Thick Slicer Machine
- Bamboo Thin Slicer Machine
- Width Slicer Bamboo Chain Splitter Machine
- Universal Wood Cum Bamboo Working Machine
- Wood/ Bamboo Turning Lathe
- Bamboo Stick Polishing Machine
- Powered Hand Operated Equipment
- Bamboo Treatment Plant

CFC will be a facilitator and promoter to achieve following objectives :

- To train self help groups, NGOs, local artisans and rural people, State Forest Department, personnels and farmers in bamboo processing, seasoning, preservative treatment, polishing, board Making, and furniture.
- To extend the processing facilities to different stake holders.

- Providing alternative sources of livelihood to communities.
- Replacing timber based products with more eco-friendly bamboo based products in the market.

Programs and services:

- Sensitization programmes
- Technical training services for capacity development
- Training programmes for floor level workers or Small-scale Producers
- Advanced training for entrepreneurs

Training components:

- Chemical treatment of green and dry bamboo
- Chemical seasoning of bamboo
- Bamboo utilization for panel products
- Bamboo hut
- Furniture making
- Bamboo polishing aspects
- Bamboo handicraft products

Training fee:

- Three days' Training programmes for floor level workers or small-scale producers : Rs.5000/ (Inclusive of boarding and lodging)
- Five days' Advanced training for entrepreneurs/State Forest Department : Rs.10,000/- (Inclusive of boarding and lodging)

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