

## COMMON FACILITY CENTRE (CFC)

To facilitate its objectives, a Common Facility Centre (CFC) has been established inside IWST campus during the year 2016. The Centre contributes towards Research and Development (R&D) programmers on wood quality assessment of plantation timbers and different bamboo species. Many modern wood working and bamboo processing machines have been installed at this Centre. All these machineries are required for understanding the processing and recovery of small girth plantation grown timbers and their working properties for application in construction, handicraft, packaging, furniture etc. These wood working machines are also very good for imparting training and sharing expertise to the artisans from the handicraft sector, thus helping in capacity building and give new dimensions to wood science research.

The Centre extends wood and bamboo processing facilities to various stake holders, self-help groups, NGOs, wood based small scale/cottage industries and local artisans on nominal payment basis. **All the wood working and bamboo processing machines can be used on payment basis during all working days (Monday to Friday) from 9:00 AM to 5:30 PM.** The details of wood working and bamboo machines and their description are given below:

### A. List of Wood Working Machines

No.	Name of Machinery	Description
1	Surface Planer	Suitable for removing rough surface of the wood by planing.
2	Thickness Planer	Suitable for sizing the piece of wood in two dimensions and also to remove rough surface (width and thickness).
3	Sliding Table Panel Saw	Suitable to cut a wood lumber/ panel board to the required sizes in different cutting like rip cut, cross cut, mitre, chamfering, groove & scoring for pre lam board.
4	Small Table Circular Saw	Suitable for rip cutting, cross cutting, grooving and chamfering of wood.
5	Wood Boring (Multi Spindle boring)	Suitable for multi boring on wood/panel boards like vertical, horizontal and angular bores.
6	Spindle Molder	Suitable for edge profiling and contouring.
7	Belt Sander	Suitable for sanding the surface and edges of the wood piece for better surface finish.
8	Finger Jointing Machine (shaper and assembler)	Suitable for joining small solid wood pieces by using finger jointing technique to increase its length
9	Seasoning Kiln (Dehumidification type)	Suitable for seasoning the wood(Capacity: 200 cft)

\* Hardwoods: Woods having density 600 and above\*\* Softwoods: Wood having density less than 600

### B. List of Bamboo Machines

No.	Name of Machinery	Description
1.	Bamboo Cross Cutting	Suitable for cross cutting of Bamboo culms.
2.	Bamboo Semi Half Splitting	Suitable for splitting the bamboo culms to rectangular strips.

3.	Bamboo Variable Size Splitting	Suitable for splitting the bamboo culms to number of strips.
4.	Bamboo External Knot Removing	Suitable for removing external knots of bamboo culms.
5.	Bamboo Thickness Planing	Suitable for thickness planing of bamboo strips to variable sizes.
6.	Bamboo Slat Gluing	Suitable for gluing the bamboo strips for making panel of different sizes.
7.	Bamboo Panel Drier	Suitable for drying glues bamboo panels.

In addition to the rates of usages of machines, the service tax at prevailing rates will be charged extra. Any damage to the machines/property due to negligence of customers will have to be compensated by the customers. The Institute will not be responsible for any accidental damage caused to any person because of machines in CFC.

**For further details, please contact:**

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