



FII INDIA'S **LWF HOUSING** WITH LARGE AREA FOR LIVING AND DINING



The first North American-style home constructed using the light wood frame (LWF) method is now a part of the creative initiatives of Forestry Innovation Consulting-India (FII) to spread awareness and education about Canadian Wood and its species in the country.

The interest it has generated also prompted FII India to build a 2,000-square-foot house comprising

a large living and dining area, two bedrooms, bathroom and outdoor decking with live display at DelhiWood 2019.

FII India had a stall display measuring 250 sq.mt. under the Canada Government pavilion. A Light Wood Frame (LWF) house structure covering 200 sq.mt was the main highlight of the FII India booth with the balance 50sq. mt allotted to the participating 05 B.C.

Lumber companies for kiosks.

09 Canadian companies participated either under the aegis of BC wood or as individual stalls.

FII India showcased B.C. wood species in various applications under key product segments

- ❖ Light Wood Frame Construction
- ❖ Cladding
- ❖ Decking
- ❖ Panelling
- ❖ Window & Window Frame
- ❖ Door & Door Frame
- ❖ Roof
- ❖ Trusses
- ❖ Indoor & Outdoor Furniture



What is LWF?

LWF construction is the assembly of dimensional lumber or engineered wood that is regularly spaced and fastened together with nails to create floor, wall and roof assemblies. The predominant method adopted is the very basic prefabricated tongue and mainly light structural lumber is used. It is milled from Conifers (softwood trees) such as spruce-pine-fir (SPF) that are sawn and machine-planed to standard dimensions (2'x4', 2'x6', 2'x8', etc.)

LWF construction is light, as the name suggests, and allows quick construction with no heavy tools or equipment. It is able to adapt itself to any geometric shape, and can be clad with a variety of materials. There are a huge variety of products and systems tailored to this type of construction.

Training programmes

FII India has organised 9-10 days training programs in North and South India. This hands-on training course required all participants to learn through action how to build a light timber-frame house constructed from start to finish. The learning includes all aspects of LWF construction from cutting, nailing, measuring and construction of the foundation and the floor, wall and roof framing, and bracing, using a variety of quality tools.

Information was provided at the booth on available species and their applications as well as sustainable forest management practices in B.C., Canada through collaterals and interactive audio-visual kiosks.

"Light wood frame building is quick, easy, user-friendly, beautiful and is right for our planet because it is made from sustainable wood," says Mr Peter Bradfield, Technical Advisor, FII India.

FII is aware that wooden houses are gaining popularity in India for resorts at beach locations and hill stations, and also for farm houses and countryside home sites with infrastructure and access challenges, due to their advantage of being portable.

It was also gaining attention because of the very low carbon footprint.

This prompted FII to organise an LWF training for the Indian T&G house manufacturers who liked what they saw at the exhibition and expressed interest in this method of construction, because of its different style.