

Light wood frame house from Canadian wood grabs eyeballs



More from Canada

Canadian companies participating in the Canadian pavilion: British Columbia Forestry Innovation Investment, Canada Wood Group, Canfor, Jazz Forests, Teal Jones Group, West Fraser, Sundher Group, San Group, Kanata Resources, Ontario Ministry of Natural Resources and Murray Abbott.

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

The interest it has generated has 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, which is being displayed at DelhiWood 2019.

It showcases all the beautiful applications of Canadian wood species, including furniture, doors, door frames, windows, panelling, decking, pergola and much more.

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

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.



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

groove-interlocking (T&G) boards.

The structural parts are of wood and are dependent on a wooden frame for support and the structure can be prefabricated or built on site. It is one of the most common forms of construction in North America.

In residential construction,

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.

Canadian Wood's display house can be viewed at H09 A102.



A light wood frame building is quick, easy, user-friendly, beautiful, and is made from sustainable wood
– Mr Peter Bradfield, Technical Advisor, FII.

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