



# TIMBER WOOD



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Timber wood generally refers to the solid and homogeneous secondary xylem of the dicotyledons and gymnosperm.

It has many uses. It is used as fuel, as building material and as raw material for paper, plastic and many other industries. Use of timber wood as building material is advantageous because of its inexhaustible supply and other important properties such as weight, strength, durability and poor conduction of heat electricity.

Example of timber yielding plants are.

1. Pinus roxburghii
2. Bambusa species



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## Pinus roxburghii [Pine]

Family:- Pinaceae

It is commercial pine timber. The important species are Pinus roxburghii (Hard Pine), Pinus wallichiana (soft pine). These are the two most popular and best known species.

It grows in the outer hill ranges of Siwalik and valleys of Himalaya.

Uses:-

1. Wood is mainly used for purposes where strength is not required.
2. It's wood is used for matches, crates, boxes and rough carpentary work.
3. The Hard pine are used in construction of buildings, bridges, ships etc.



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## Bambusa

[Bamboo]

Family:- Poaceae

The family several genera of Bamboo are Bambusa, <sup>in</sup> Axundaria and Dendrocalamus. These are spread over 10 million hectares in Northeastern India, Western Ghats and Andamans.

Uses:-

1. Stem is used in house construction, ladders, musical instruments, furniture, cooking vessels, pipes, used in Toys and poles
2. It is used for rope making cordage.
3. Bamboo strips of stem used for floors and roofs, mats, chairs and containers
4. Bamboo pulp provided raw material for paper industry
5. Bamboo pickle is also available.



FIRE

WOOD



# FIRE WOOD

Fire wood is any woody material that is gathered and used for fuel. Firewood can be seasoned (dry) or unseasoned (wet). It is generally classified as hard wood or softwood. Firewood is a renewable resource. However, demand for this fuel can outpace its ability to regenerate on a local or regional level. Good forestry practices and improvements in devices that use firewood can improve local wood supplies.

Some examples are

1. Shorea robusta
2. Dalbergia sissoo





Dalbergia sissoo

## Dalbergia sissoo [Shisham]

Family:- Leguminosae

Dalbergia is a genus of tropical trees providing a valuable dark timber. Dalbergia have pinnate leaves with an uneven number of leaflets and panicles of small, yellow or white papilionaceous flowers. The sapwood is white to brownish in colour, while the heartwood is golden brown to dark brown.

Uses:-

1. Sissoo like Indian Rosewood, is a high class furniture and cabinet wood.
2. It is valued as a constructional and general purpose.
3. Timber; being used for railway sleepers, musical instruments, hammers, shoe heels etc.
4. Sissoo is good for charcoal-making.
5. Rose wood gives an attractive figure when sawn and is usually used for decorative purposes.



Shorea robusta

## Shorea robusta [Sal]

Family :- Dipterocarpaceae

One of the important commercial hard wood timbers in India. It occurs in two main regions separated by the Gangetic plain, namely the northern and central Indian regions.

### Uses:-

1. It is most extensively used for construction purposes
2. Wood is very hard and heavy and being one of the most durable timbers.
3. It is one of the best sleeper wood in India  
It is used for constructional purposes such as bridging railway stations, frames for doors and windows.