

TAUNG-PEINNE

Artocarpus chaplasha Roxb.

FAMILY - Moraceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.5 to 1.5 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood yellowish brown to golden brown, sharply demarcated from white to pale yellowish white sapwood. Lustrous, straight-grained but sometimes interlocked-grained, texture very coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 63% solitary, radial multiples of 2 – 5, sometimes pore clusters, 1 – 6 per mm², 51 – 277 (189) µm in diameter. Some vessels contain tyloses. Vessel length 113 – 399 (229) µm. Intervessel pitting 2 – 10 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma vasicentric and aliform, aliform confluent, diffuse and diffuse in aggregate. Rays 1 – 7 (mostly 4 – 6) cells wide, 3 – 54 cells high, 3 – 8 per mm, heterocellular, consisting of procumbent cells with one to two rows of upright cells on both sides and among the procumbent cells.

BASIC SPECIFIC GRAVITY 0.43

STRENGTH GROUP D

DURABILITY - Durable

TREATABILITY - Very difficult

SEASONING - Seasons slowly with slight degrade.

Recommended Kiln Schedule: C

WORKING PROPERTIES

The timber is rather difficult to saw and machines moderate, planing, nailing and boring well, turns fairly good, mortising properties poor.

RECOMMENDED END USES

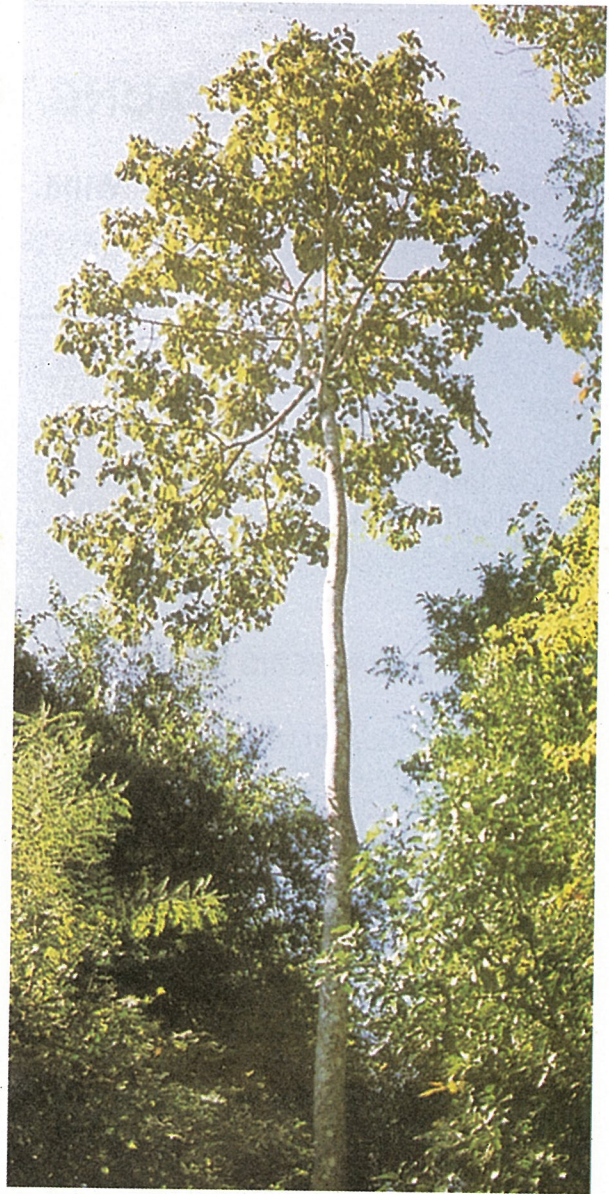
House building, furniture, panelling, interior finish, veneers, plywood.



Timber specimen

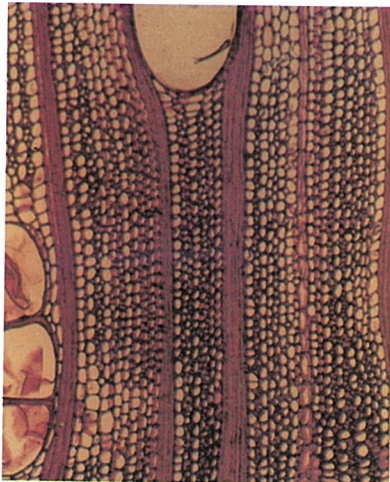


Bark

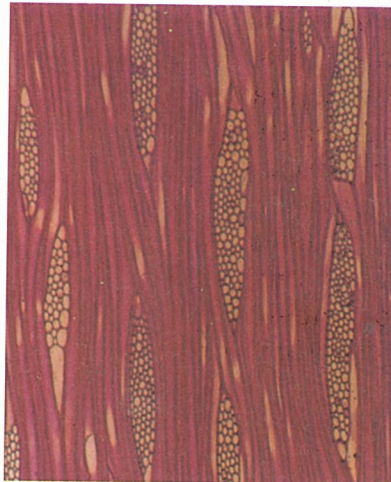


A plant in natural habit

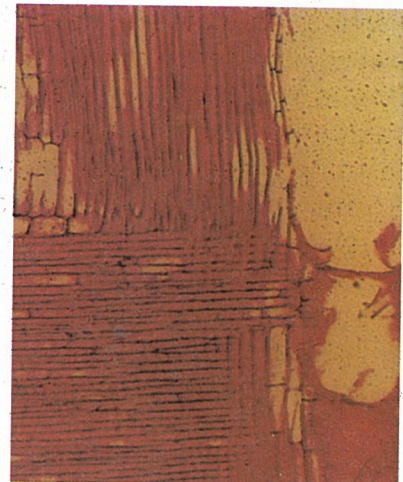
Taung-peinne
Artocarpus chaplasha Roxb.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

TAUNG-PETWUN

Pterospermum acerifolium (L.) Willd.

FAMILY - Sterculiaceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.6 to 1.6 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood pale red to pinkish red, sharply demarcated from white sapwood. Lustrous, irregularly interlocked-grained, texture fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 40% solitary, radial multiples of 2 – 8, 2 – 14 per mm², 72 – 215 (154) µm in diameter. Vessel length 256 – 379 (310) µm. Intervessel pitting 4 – 7 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thick-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma vasicentric and diffuse in aggregate forming uniseriate bands and storied. Some axial parenchyma contain crystals. Rays 1 – 6 (mostly 2) cells wide, 3 – 127 cells high, 7 – 15 per mm, heterocellular consisting of procumbent cells with one to two rows of upright cells among the procumbent cells.

BASIC SPECIFIC GRAVITY 0.48

STRENGTH GROUP C

DURABILITY - Durable

TREATABILITY - Moderately difficult

SEASONING - Seasons very fast without any serious defects.

Recommended Kiln Schedule: B

WORKING PROPERTIES

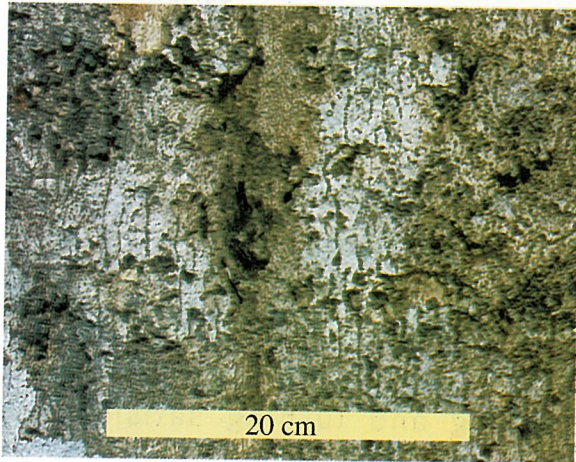
Sawing and machining well, planes good and take a good finish, nails and bores moderately good, poor turning and mortising properties.

RECOMMENDED END USES

Furniture, panelling, interior finish, veneers, plywood, household appliances.



Timber specimen

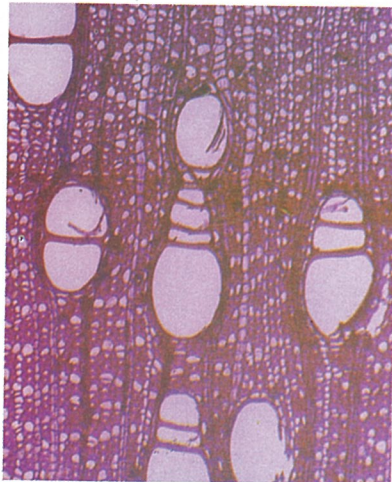


Bark



A plant in natural habit

Taung-petwun
Pterospermum acerifolium (L.) Willd.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

TAUNG-THAYET

Swintonia floribunda Griff.

FAMILY - Anacardiaceae

HABIT

A large tree reaching a height of 40 m, with trunk diameter of 0.8 to 1.2 m, long, straight, cylindrical stem with buttresses.

GENERAL CHARACTERISTICS

Growth ring present; heartwood not sharply demarcated from greyish white to pinkish white sapwood. Lustrous, straight-grained, texture medium, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 44% solitary, radial multiples of 2 - 4, 2 - 9 per mm², 31 - 318 (162) µm in diameter. Some vessels contain tyloses. Vessel length 287 - 585 (421) µm. Intervessel pitting 3 - 30 µm, alternate to opposite, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma scanty, confluent forming 2 to 8 seriate bands and diffuse in aggregate forming relatively long tangential bands. Some axial parenchyma contain gum deposits and crystals. Rays 1 - 3 (mostly 2) cells wide, 2 - 41 cells high, 6 - 12 per mm, heterocellular, consisting of procumbent cells with one to two rows of upright cells on both sides. Ray parenchyma sometimes consist of silica bodies. Intercellular canals are also found in multiseriate rays.

BASIC SPECIFIC GRAVITY 0.56

STRENGTH GROUP D

DURABILITY - Non-durable

TREATABILITY - Average

SEASONING - Seasons very fast without serious defects.

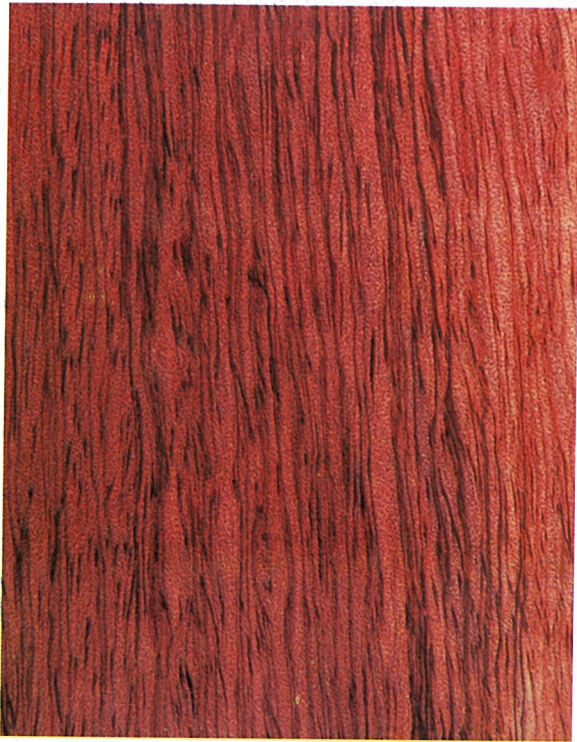
Recommended Kiln Schedule: B

WORKING PROPERTIES

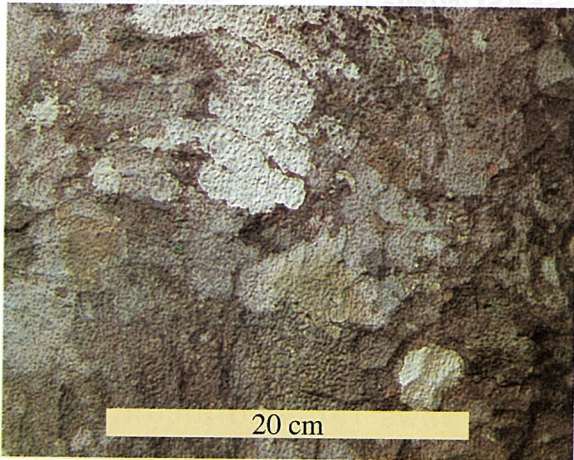
Rather difficult to saw, works well with hand and machine tools; cut surface appear woolly; moderately well to plane a smooth surface; nailing good; boring and turning satisfactory; mortising poor.

RECOMMENDED END USES

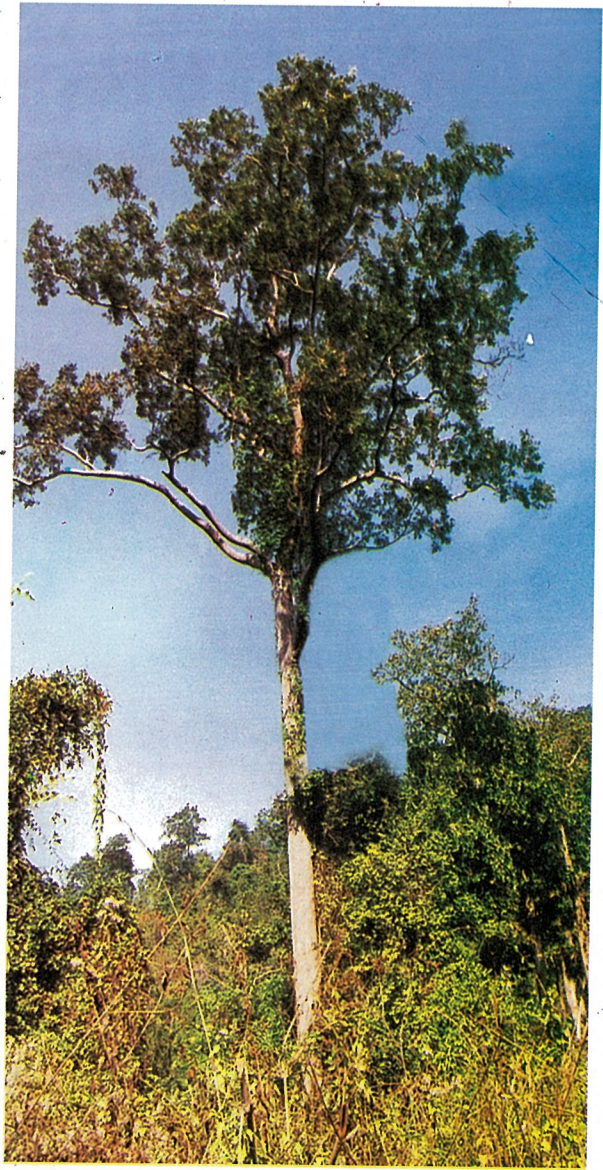
House building, furniture, panelling, interior finish, veneers, plywood, musical instruments, boxes, crates.



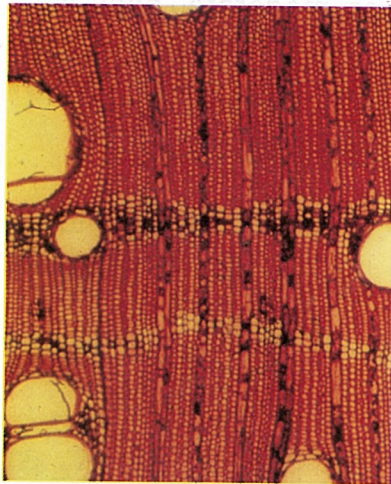
Timber specimen



Bark



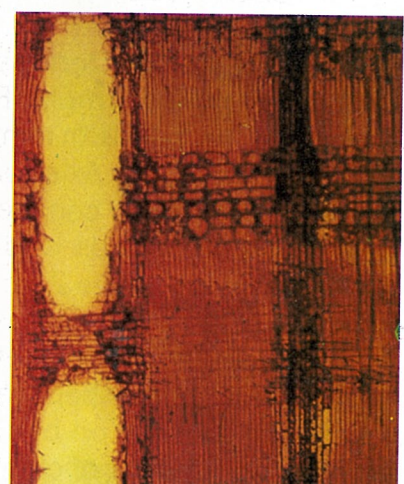
A plant in natural habit
Taung-thayet
Swintonia floribunda Griff.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

TAW-THAYET

Mangifera spp.

FAMILY - Anacardiaceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.8 to 1.3 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from greyish white to pinkish white sapwood. Lustrous, straight-grained, texture medium, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 53% solitary, radial multiples of 2 – 4, sometimes pore clusters, 2 – 14 per mm², 41 – 267 (153) μ m in diameter. Vessel pores sometimes contain tyloses. Vessel length 277 – 820 (450) μ m. Intervessel pitting 8 – 10 μ m, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma vasicentric, aliform, confluent forming 2 to 4 seriate bands and diffuse in aggregate forming 1 to 2 seriate bands. Rays 1 – 3 (mostly 2) cells wide, 2 – 23 cells high, 9–15 per mm, heterocellular, consisting of procumbent cells with one row of upright cells on both sides. Ray parenchyma consist of crystals.

BASIC SPECIFIC GRAVITY 0.58

STRENGTH GROUP D

DURABILITY - Moderately durable

TREATABILITY - Easy

SEASONING - Seasons very fast with almost no degrade.

Recommended Kiln Schedule:

- B (Proposed)

WORKING PROPERTIES

Saws rather difficult, works satisfactorily with both hand and machine tools, cut surface tend to be woolly, planes moderate, nails well, boring properties fairly good.

RECOMMENDED END USES

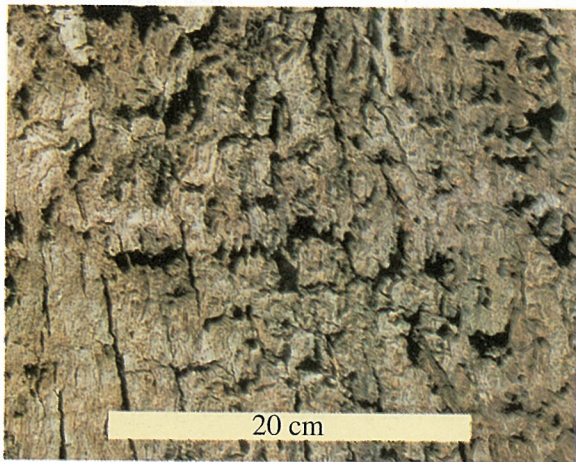
Musical instruments, building, agricultural implement, packing box, match box.



Timber specimen

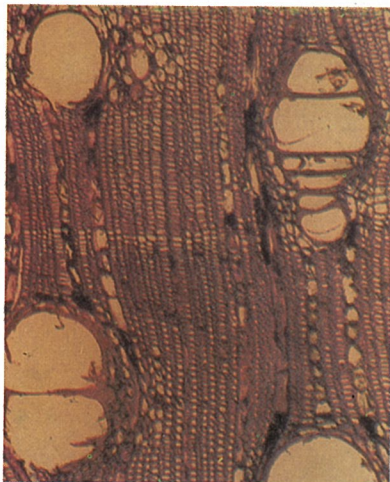


A plant in natural habit

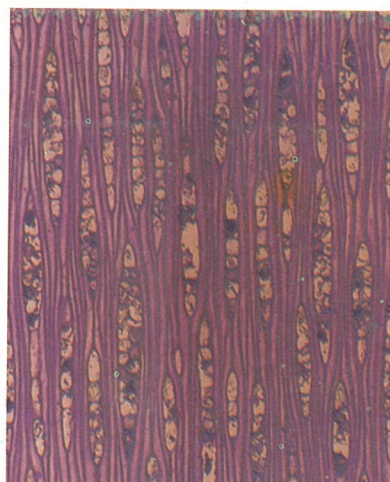


Bark

Taw-thayet
***Mangifera* spp.**



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THABYE

Eugenia spp.

FAMILY - Myrtaceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.8 to 0.9 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from greyish brown or dark brown to reddish grey sapwood. Lustrous, straight-grained, texture medium, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 62% solitary, radial multiples of 2 – 4, sometimes pore cluster, 5 – 13 per mm², 62 – 205 (150) µm in diameter. Vessel length 779 – 1415 (1063) µm. Intervessel pitting 5 – 13 µm, alternate, vessel ray pitting 8 – 30, opposite to alternate. Perforation plates simple. Fibres thick-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma aliform, aliform confluent, unilateral, diffuse in aggregate and diffuse. Rays 1 – 3 (mostly 2 – 3) cells wide, 2 – 40 cells high, 9 – 14 per mm, heterocellular, consisting of procumbent cells with two to ten rows of upright cells among the procumbent cells. Ray parenchyma contains gum deposits.

BASIC SPECIFIC GRAVITY 0.67

STRENGTH GROUP C
DURABILITY - Durable

TREATABILITY - Very difficult

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule: E

WORKING PROPERTIES

Works well with hand and machines tools, saws fairly good, planing, nailing fairly good, boring rather poor, turnery satisfactory, mortising well.

RECOMMENDED END USES

House building, panelling, interior finish, agricultural implement.



Timber specimen



A plant in natural habit



Bark

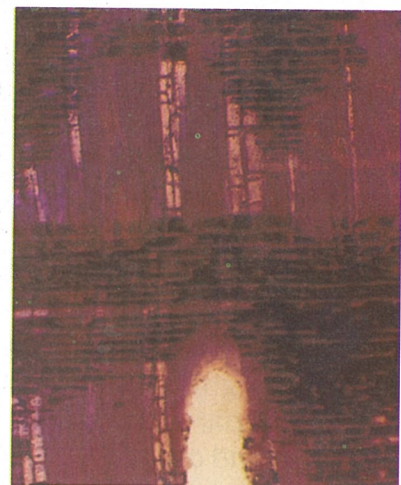
Thabye
Eugenia sp.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THADI

Protium serratum Engler.

FAMILY - Burseraceae

HABIT

A large tree reaching a height of 29 m with trunk diameter of 0.6 to 1.0 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood brick red to brownish red, sharply demarcated from light brown thin sapwood. Dull, interlocked-grained but sometimes wavy-grained, texture medium and even, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 45% solitary, radial multiples of 2 – 8, 11 – 31 per mm², 51 – 174 (143) µm in diameter. Vessel pores containing tyloses. Vessel length 339 – 738 (538) µm. Intervessel pitting 5 – 10 µm, alternate, vessel ray pitting 5 – 7 µm, alternate. Perforation plates simple. Fibres thick-walled, septate, with minute slit-like pits in radial walls. Axial parenchyma very sparse. Axial parenchyma contain gum deposits. Rays 1 – 3 (mostly 2) cells wide, 2 – 25 cells high, 6 – 12 per mm, heterocellular, consisting of procumbent cells with one row of upright cells on the one or both sides. Ray parenchyma consists of gum deposits and crystals.

BASIC SPECIFIC GRAVITY 0.69

DURABILITY - Durable

TREATABILITY - Very difficult

SEASONING - Seasons slowly with little degrade.

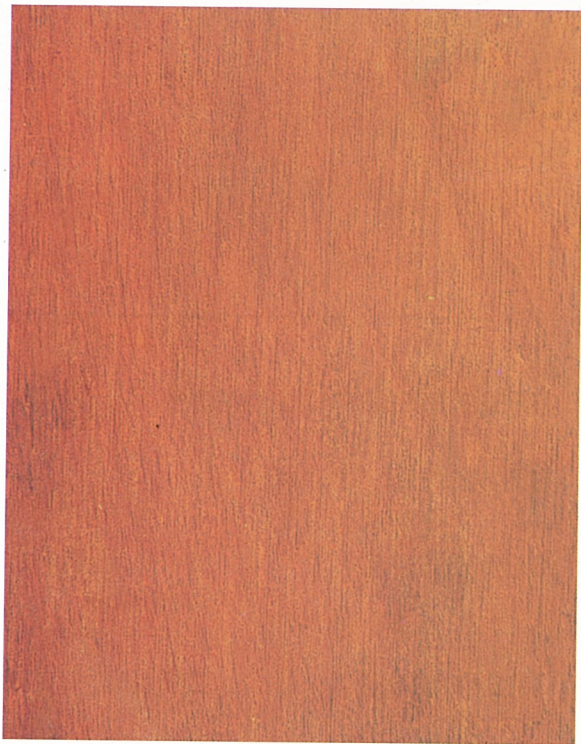
Recommended Kiln Schedule: D

WORKING PROPERTIES

Saws well, machines moderate; planing good; easy to nail; boring moderate, a moderate turnery wood; mortising satisfactory.

RECOMMENDED END USES

House building, flooring, cart, sleepers, furniture.



Timber specimen



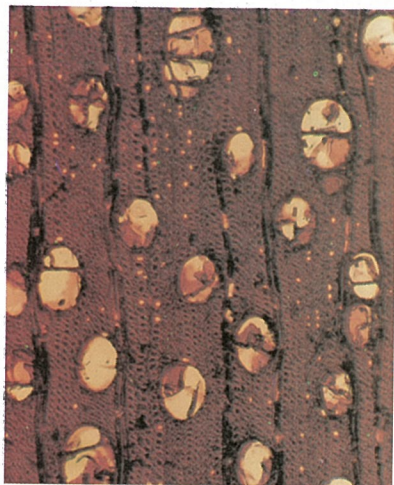
Bark



A plant in natural habit

Thadi

Protium serratum Engler.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THANDE

Stereospermum personatum Chatt.

FAMILY - Bignoniaceae

HABIT

A large tree reaching a height of 35 m with trunk diameter of 2.6 to 3.7 m, long, straight, fluted stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not demarcated from greyish white sapwood. Dull, straight-grained, texture fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 83% solitary, radial multiples 2 – 4, 1 – 12 per mm²; 30 – 184 (118) µm in diameter. Vessel length 195 – 359 (283) µm. Intervessel pitting 3 – 5 µm, alternate, vessel ray pitting similar to intervessel pits. Perforation plates simple. Fibres thin-walled, non-septate, with minute simple, slit-like pits in radial walls. Axial parenchyma aliform, aliform confluent forming relatively long and wavy bands, diffuse in aggregate and 1 – 7 seriate terminal bands. Rays 1 – 3 (mostly 2 – 3) cells wide, 2 – 39 cells high, 5 – 11 per mm, homocellular, consisting of only procumbent cells.

BASIC SPECIFIC GRAVITY 0.73

STRENGTH GROUP B

DURABILITY - Moderately durable

TREATABILITY - Difficult

SEASONING - Seasons very slowly with no degrade.

Recommended Kiln Schedule:

- C (Proposed)

WORKING PROPERTIES

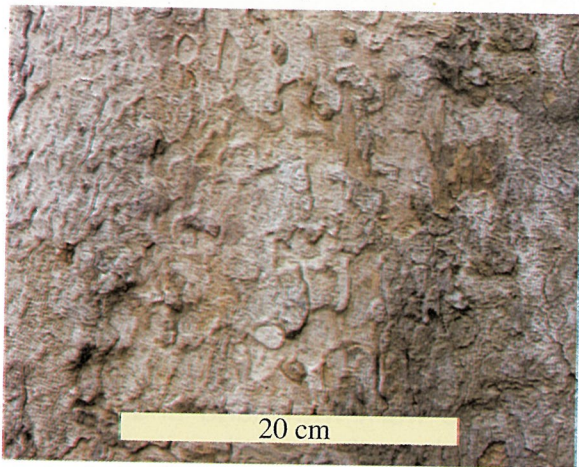
The wood saws and machines with difficulty; dulling of saw teeth and planer knives; works fairly well in nailing and boring but rates poorly in turning and mortising.

RECOMMENDED END USES

House building, sleepers.



Timber specimen

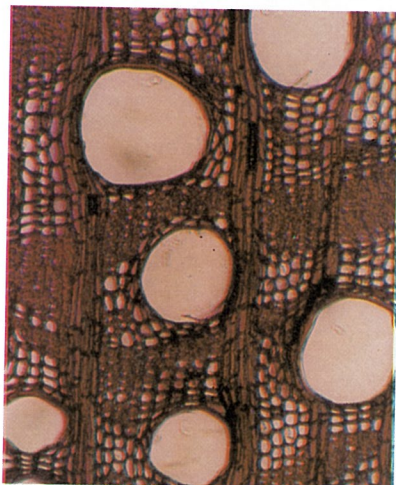


Bark

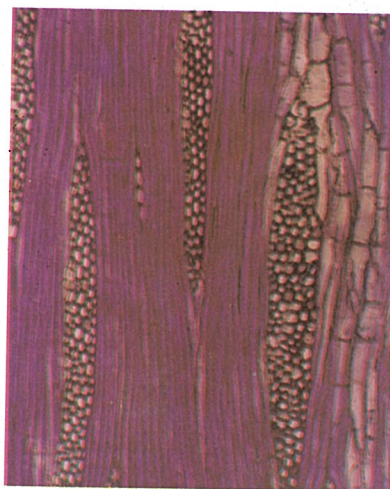


A plant in natural habit

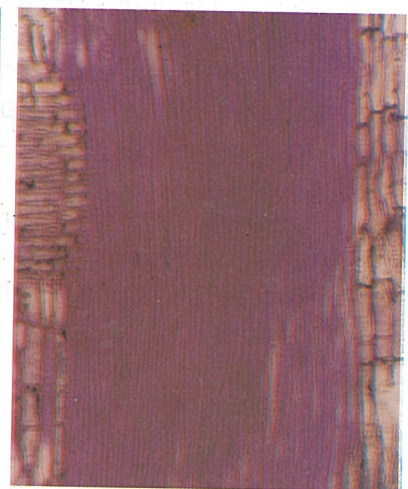
Thande
Stereospermum personatum Chatt.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

THAPAN

Ficus spp.

FAMILY - Moraceae

HABIT

A large tree reaching a height of 33 m with trunk diameter of 0.9 to 1.1 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from light brown to yellowish or whitish brown sapwood. Lustrous, fairly straight-grained, texture coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 68% solitary, radial multiples of 2 – 3, 1 – 5 per mm², 82 – 246 (173) μm in diameter. Vessel length 205 – 461 (325) μm . Intervessel pitting 3 – 8 μm , alternate, vessel ray pitting 3 – 25 μm , opposite to alternate. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma banded and diffuse. Rays 1–10 (mostly 6–8) cells wide, 2 – 42 cells high, 4–10 per mm, heterocellular, consisting of procumbent cells with one row of upright cells on one or both sides. Ray parenchyma contains crystals.

BASIC SPECIFIC GRAVITY 0.34

STRENGTH GROUP E

DURABILITY - Perishable

TREATABILITY - Very easy

SEASONING - Seasons slowly with slight degrade.

Recommended Kiln Schedule:

- C (Proposed)

WORKING PROPERTIES

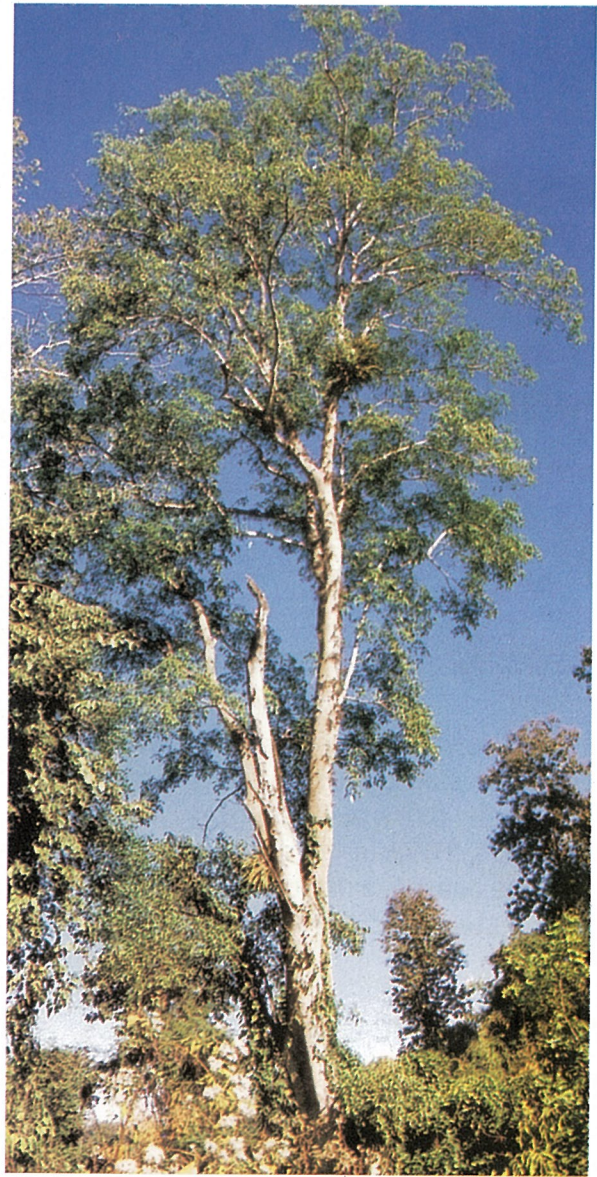
The wood is good to saw and easy to work with hand and machine tools; planes fairly well; nails and bores good; turning and mortising poor.

RECOMMENDED END USES

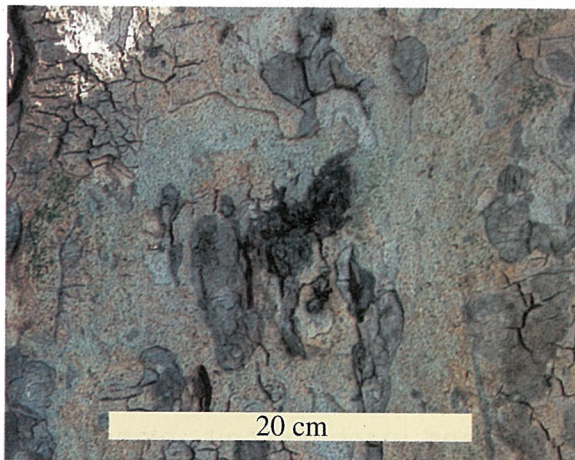
Packing box, match box.



Timber specimen

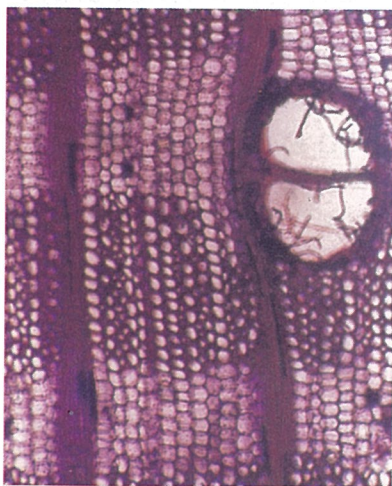


A plant in natural habit

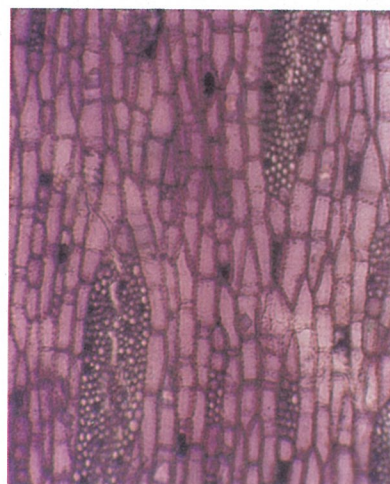


Bark

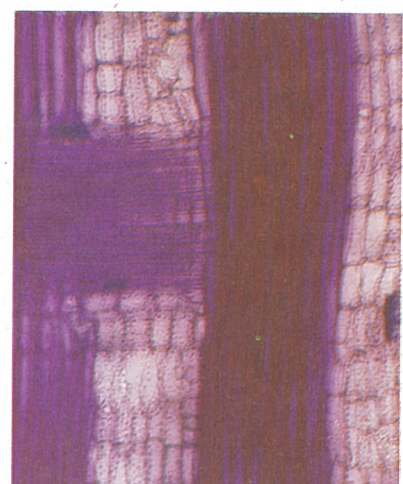
Thapan
***Ficus* spp.**



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THINGADU

Parashorea stellata Kz.

FAMILY - Dipterocarpaceae

HABIT

A large tree reaching a height of 51 m, with trunk diameter of 0.5 to 1.1 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from brown to reddish brown sapwood. Slightly lustrous, irregularly interlocked-grained, texture coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 55% solitary, radial multiples of 2 – 3, 3 – 10 per mm², 72 – 308 (199) µm in diameter. Vessel pores contain tyloses. Vessel length 287 – 564 (416) µm. Intervessel pitting 2 – 5 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thick-walled, septate, with minute slit-like pits in radial walls. Axial parenchyma vasicentric, aliform and aliform confluent forming relatively long tangential bands, diffuse and diffuse in aggregate. Some axial parenchyma consists of crystals, gum deposits and resin canals. Rays 1 – 6 (mostly 5) cells wide, 1 – 56 cells high, 5 – 9 per mm, heterocellular, consisting of procumbent cells with one row of upright cells on both sides. Ray parenchyma contains gum deposits.

BASIC SPECIFIC GRAVITY 0.56

STRENGTH GROUP C

DURABILITY - Moderately durable

TREATABILITY - Difficult

SEASONING - Seasons fast with almost no degrade.

Recommended Kiln Schedule: C

WORKING PROPERTIES

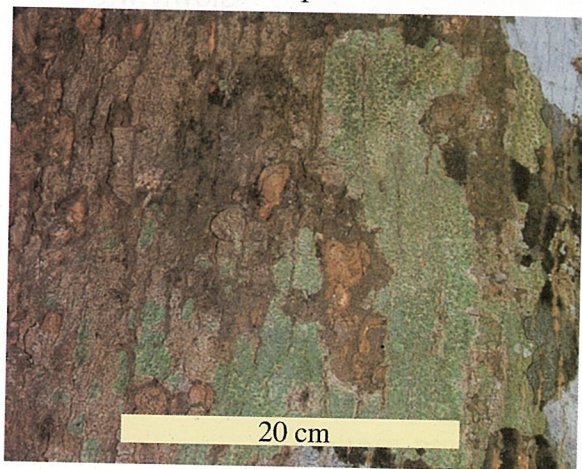
Saws fairly good, the timber machines well and works easily with hand and machine tools, planes tend to appear woolly surface; nailing good, boring and turning moderate; mortising good.

RECOMMENDED END USES

House building, veneers, plywood.



Timber specimen



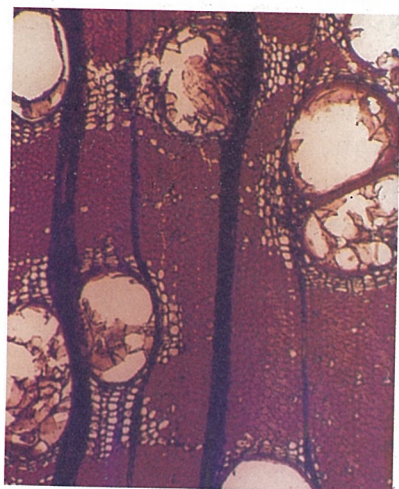
Bark



A plant in natural habit

Thingadu

Parashorea stellata Kz.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

THITKADO

Cedrela toona Roxb.

FAMILY - Meliaceae

HABIT

A large tree reaching a height of 35 m with trunk diameter of 0.7 to 0.9 m, long, straight, cylindrical stem. Found throughout Myanmar.

GENERAL CHARACTERISTICS

Growth ring distinct, heartwood pale brick red to reddish brown, sharply demarcated from the greyish white to pinkish white sapwood. Lustrous, straight-grained, texture uneven, with cedary scent and distinct acrid taste, wood ring-porous.

MICROSCOPIC CHARACTERISTICS

Average 37% solitary, radial multiples of 2 – 7, 4 – 12 per mm², 72 – 359 (202) µm in diameter. Vessel pores contain gum deposits. Vessel length 277 – 554 (446) µm. Intervessel pitting 5 – 8 µm, alternate, vessel ray pitting 4 – 6 µm, alternate. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma scanty, vasicentric with uniseriate sheath, diffuse and 1 – 6 seriate terminal bands. Rays 1 – 6 (mostly 4–6) cells wide, 1–29 cells high, 4 – 8 per mm, homocellular, consisting of only procumbent cells. Ray parenchyma contain crystals and gum deposits.

BASIC SPECIFIC GRAVITY 0.41

STRENGTH GROUP E

DURABILITY - Durable

TREATABILITY - Difficult

SEASONING - Seasons very slowly without any degrade.

Recommended Kiln Schedule: B

WORKING PROPERTIES

Saws and machines very well, easy to work with hand and tools to a fairly smooth surface; nailing and boring good, turnery work and mortising moderate.

RECOMMENDED END USES

Furniture, carving, panelling, interior finish, veneers, plywood, musical instrument, door and window frames, pencil wood.



Timber specimen

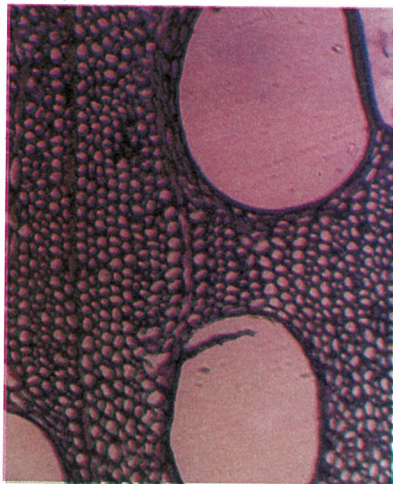


A plant in natural habit



Bark

Thitkado
***Cedrela toona* Roxb.**



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THIT-MAGYI

Albizia odoratissima (L.f.) Benth.

FAMILY - Mimosaceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.5 to 0.9 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood brown to dark brown with black streaks, sharply demarcated from white sapwood. Dull but sometimes slightly lustrous, interlocked-grained, texture coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 82% solitary, radial multiples of 2 – 3, 2 – 14 per mm², 31 – 308 (155) µm in diameter. Vessel pores frequently contain gum deposits. Vessel length 164 – 308 (248) µm. Intervessel pitting 8 – 15 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres very thick-walled, septate, with minute, slit-like pits in radial walls. Axial parenchyma vasicentric, aliform and diffuse. Prismatic crystals in 2 – 25 chambered axial parenchyma. Rays 1 – 4 (mostly 2 – 3) cells wide, 5 – 37 cells high, 6 – 8 per mm, homocellular, consisting of only procumbent cells.

BASIC SPECIFIC GRAVITY 0.80

STRENGTH GROUP A

DURABILITY - Durable

TREATABILITY - Difficult

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule: B

WORKING PROPERTIES

The wood saws and machines moderately difficult because of its hardness and has a moderate blunting effect on cutting edges; cutters must be kept sharp for planing; moderate nailing and boring; turnery well and good mortising properties.

RECOMMENDED END USES

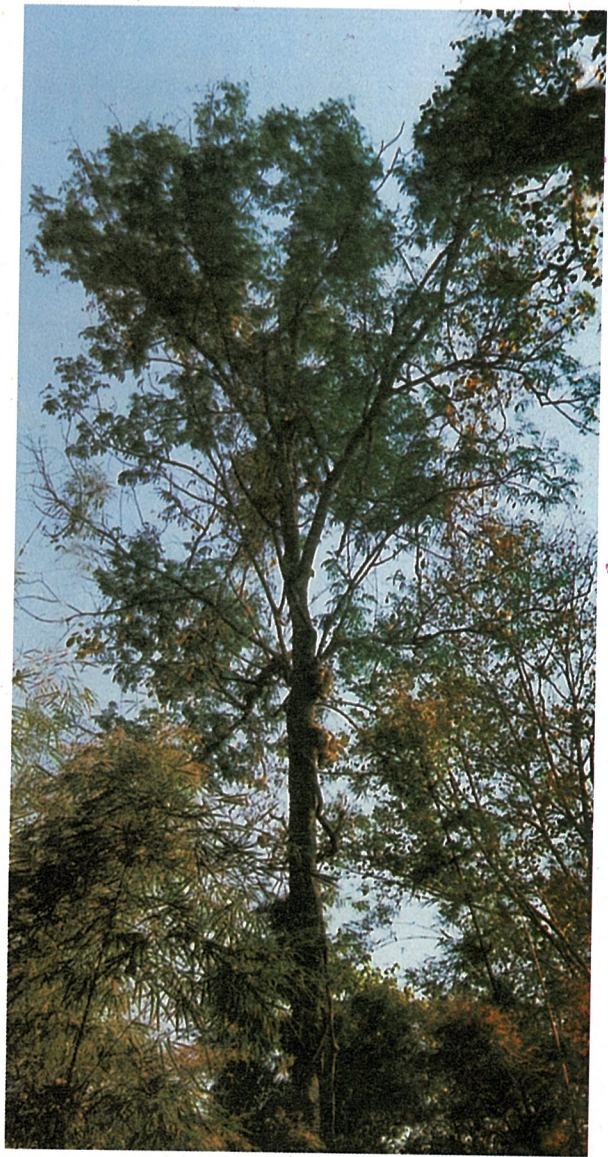
House building, furniture, flooring, panelling, interior finish, sleepers, turnery wood, veneers, plywood.



Timber specimen

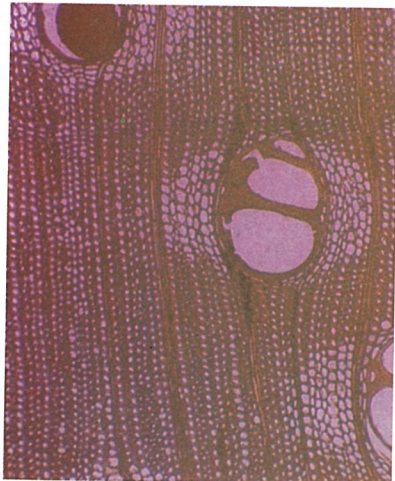


Bark



A plant in natural habit

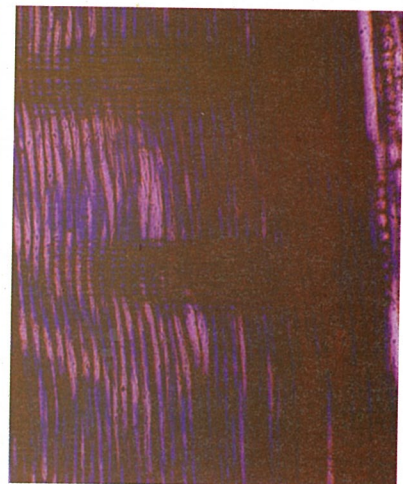
Thit-magyi
Albizia odoratissima (L.f.) Benth.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

THIT-PAGAN

Millettia brandisiana Kz.

FAMILY - Papilionaceae

HABIT

A large tree reaching a height of 25 m, with trunk diameter of 0.5 to 0.8 m, long, straight, fluted stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood yellow to yellowish brown, not sharply demarcated from sapwood. Dull, straight-grained, texture medium-coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 57% solitary, radial multiples of 2 – 4, 2 – 12 per mm², 41 – 267 (135) µm in diameter. Vessel pores contain gum deposits. Vessel length 215 – 502 (422) µm. Intervessel pitting 3 – 8 µm, alternate to opposite, vessel ray pitting 3 – 5 µm, alternate. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma concentric or wavy banded and storied. Prismatic crystals in 3 – 21 chambered axial parenchyma. Rays 1 – 5 (mostly 2 – 4) cells wide, 1–73 cells high, 6–10 per mm, homocellular, consisting of only procumbent cells. Ray parenchyma occasionally contains gum deposits.

BASIC SPECIFIC GRAVITY 0.44

STRENGTH GROUP E

DURABILITY - Perishable

TREATABILITY - Easy

SEASONING - Seasons very fast with very much degrade.

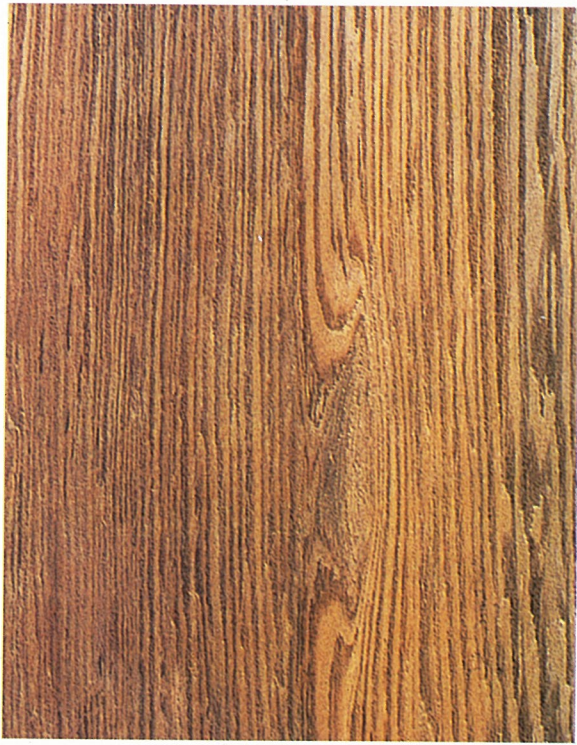
Recommended Kiln Schedule:
D (Proposed)

WORKING PROPERTIES

The wood is woolly and tight in sawing, difficult to work with hand and machine tools, planes poor, nails and bores satisfactory, a poor turnery wood, mortising very poor.

RECOMMENDED END USES

Packing box, match box.



Timber specimen



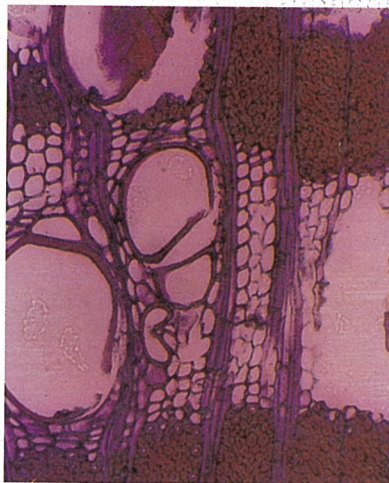
Bark



A plant in natural habit

Thit-pagan

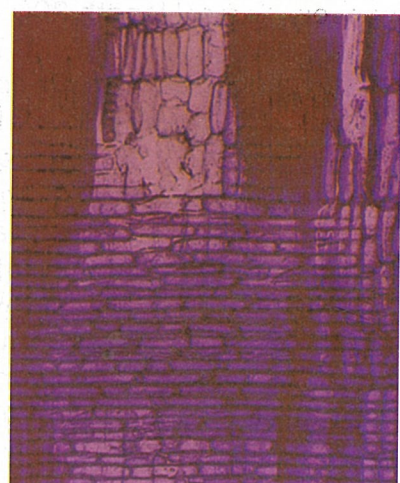
Millettia brandisiana Kz.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

THIT-PAYAUNG

Nauclea sessilifolia Roxb.

FAMILY - Rubiaceae

HABIT

A large tree reaching a height of 27 m, with trunk diameter of 0.5 to 0.7 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood streaky pale yellowish brown to pale yellowish white, not sharply demarcated from sapwood. Lustrous, irregularly interlocked-grained, texture fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 80% solitary, radial multiples of 2 – 4, 10 – 16 per mm², 51 – 133 (97) µm in diameter. Vessel pores sometimes contain gum deposits. Vessel length 205 – 912 (510) µm. Intervessel pitting 3 – 5 µm, opposite, vessel ray pitting 3 – 5 µm, alternate. Perforation plates simple. Fibres thick-walled, non-septate, with minute slit-like pits in both radial and tangential walls. Axial parenchyma scanty, diffuse and diffuse in aggregate. Rays 1 – 4 (mostly 2) cells wide, 2 – 31 cells high, 16 – 24 per mm, heterocellular, consisting of procumbent cells with three to ten rows of upright cells on one side and among the procumbent cells.

BASIC SPECIFIC GRAVITY 0.72

STRENGTH GROUP C

DURABILITY - Moderately durable

TREATABILITY - Difficult

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule:

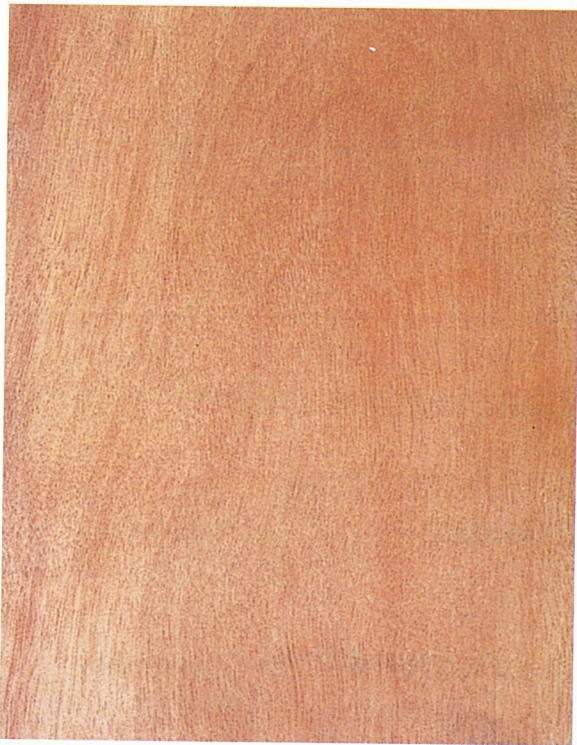
- C (Proposed)

WORKING PROPERTIES

The timber is hard and difficult to saw, not easy to work with hand and machine tools, nailing and boring properties poor, turns satisfactory, mortising moderately good.

RECOMMENDED END USES

Sleepers.



Timber specimen

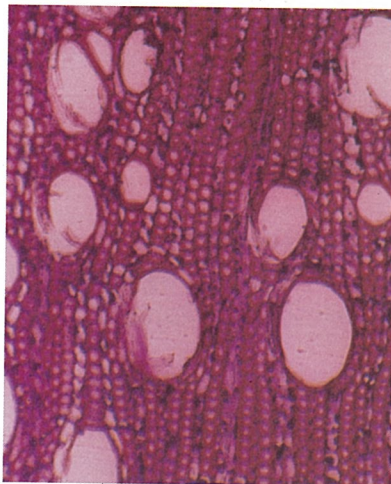


Bark

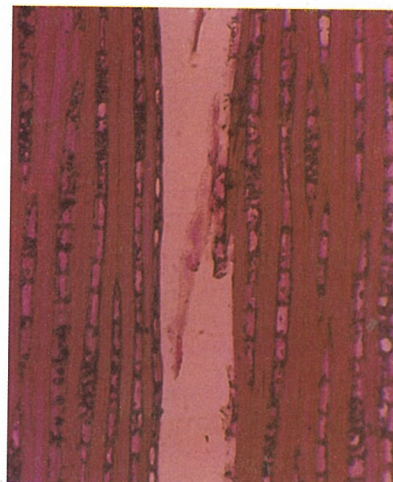


A plant in natural habit

Thit-payaung
Nauclea sessilifolia Roxb.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

THIT-SEIN

Terminalia bellerica Roxb.

FAMILY - Combretaceae

HABIT

A large tree reaching a height of 35 m with trunk diameter of 0.7 to 1.0 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood brown to pinkish or reddish brown with black streaks, sharply demarcated from the whitish yellow to light brown sapwood. Slightly lustrous, fairly straight-grained, texture coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 58% solitary, radial multiples of 2 – 6, 1 – 6 per mm², 62 – 297 (174) μ m in diameter. Vessel length 256 – 615 (477) μ m. Intervessel pitting 5 – 10 μ m, alternate, vested, vessel ray pitting 5 – 8 μ m, alternate. Perforation plates simple. Fibres thick-walled, non-septate, with minute slit-like pits in both radial and tangential walls. Axial parenchyma scanty, aliform, aliform confluent forming wavy bands and diffuse. Axial parenchyma consists of crystals. Rays exclusively 1 (rarely 2) cell wide, 2 – 22 cells high, 13 – 20 per mm, homocellular, consisting of only procumbent cells.

BASIC SPECIFIC GRAVITY 0.72

STRENGTH GROUP C
DURABILITY - Moderately durable

TREATABILITY - Moderately difficult

SEASONING - Seasons very slowly with no degrade.

Recommended Kiln Schedule:

- C (Proposed)

WORKING PROPERTIES

Saws and machines well but rather difficult to work with hand and machine tools; planing moderate; nailing and boring satisfactory, some roughness in turning; mortising characteristics moderate.

RECOMMENDED END USES

House building, packing box, match box, tool handles, agricultural implement, household appliances.



Timber specimen

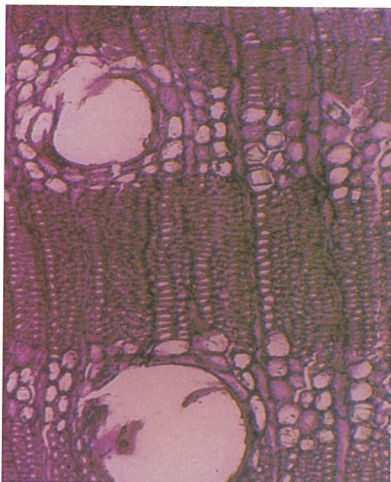


Bark



A plant in natural habit

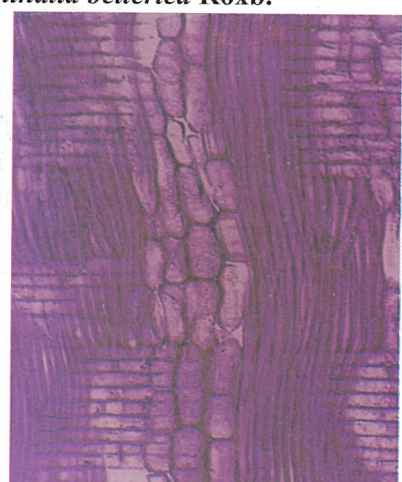
Thitsein
Terminalia bellerica Roxb.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

THIT-SWELE

Schrebera swietenioides Roxb.

FAMILY - Oleaceae

HABIT

A large tree reaching a height of 26 m, with trunk diameter of 0.5 to 0.7 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood pinkish grey to pinkish brown, sharply demarcated from yellowish grey to light brownish grey sapwood. Dull interlocked-grained, texture fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 16% solitary, radial multiples of 2 – 13, occasionally pore clusters, 21 – 58 per mm², 21 – 133 (85) μm in diameter. Vessel pores occasionally contain gum deposits. Vessel length 123 – 234 (192) μm . Intervessel pitting 3–4 μm , alternate to opposite, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Fibre lumen consists of gum deposits. Axial parenchyma sparse, vasicentric and diffuse. Axial parenchyma occasionally contain gum deposits. Rays 1–4 (mostly 3 – 4) cells wide, 1 – 16 cells high, 5–12 per mm, heterocellular, consisting of procumbent cells with one to four rows of upright cells on one or both sides. Ray parenchyma contains crystals and gum deposits.

BASIC SPECIFIC GRAVITY 0.71

STRENGTH GROUP B

DURABILITY - Moderately durable

TREATABILITY - Moderately difficult

SEASONING - Seasons very slowly without serious defects.

Recommended Kiln Schedule:
- D (Proposed)

WORKING PROPERTIES

Difficult to saw and machine, severe dulling of cutters usually found, planing fair, nailing and boring well, turns fairly good, mortising properties well.

RECOMMENDED END USES

House building, sleepers.



Timber specimen

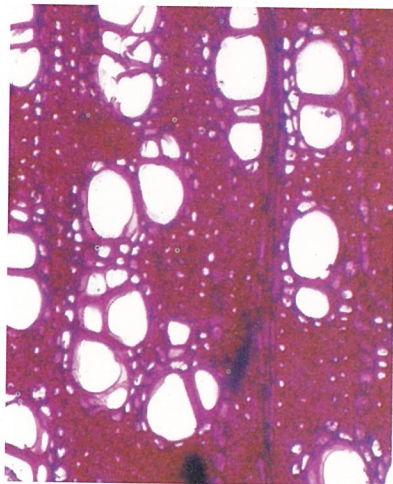


Bark

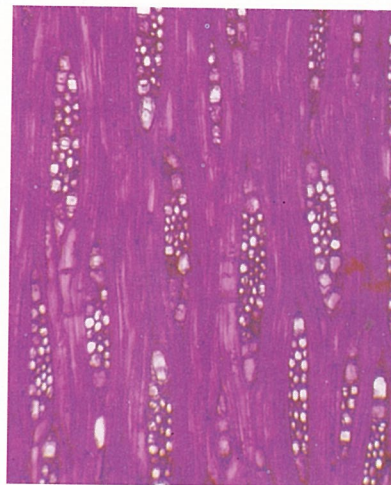


A plant in natural habit

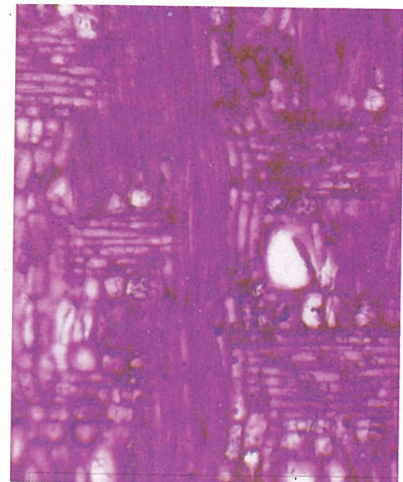
Thit-swele
Schrebera swietenioides Roxb.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

YEMANE

Gmelina arborea Roxb.

FAMILY - Verbenaceae

HABIT

A large tree reaching a height of 32 m, with trunk diameter of 0.5 to 0.9 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from yellowish white to pinkish white sapwood. Lustrous, interlocked-grained, texture medium-coarse, without distinctive odour and taste, wood semi-ring to ring-porous.

MICROSCOPIC CHARACTERISTICS

Average 72% solitary, radial multiples of 2 – 4, sometimes pore clusters, 2 – 11 per mm², 62 – 318 (267) µm in diameter. Some vessel pores contain tyloses. Vessel length 185 – 553 (323) µm. Intervessel pitting 5 – 10 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, septate, with minute slit-like pits in both radial and tangential alignment confluent and diffuse. Rays 1 – 5 (mostly 4 – 5) cells wide, 2 – 26 cells high, 2 – 9 per mm, heterocellular, consisting of procumbent cells with one to two rows of upright cells on both sides.

BASIC SPECIFIC GRAVITY 0.47

STRENGTH GROUP D

DURABILITY - Durable

TREATABILITY - Very difficult

SEASONING - Seasons fast without degrade.

Recommended Kiln Schedule: A

WORKING PROPERTIES

The timber is easy to saw and machine and work with hand and machine tools, takes a smooth finish planes excellently, nailing and boring good, an excellent turnery wood and mortising very well.

RECOMMENDED END USES

House building, furniture, door and window frames, household appliances, carving, panelling, interior finish, veneers, plywood, pencil wood.



Timber specimen

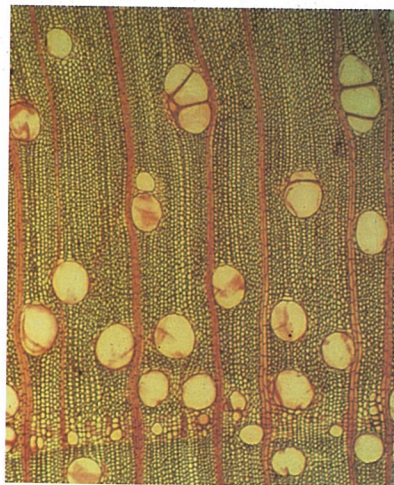


A plant in natural habit



Bark

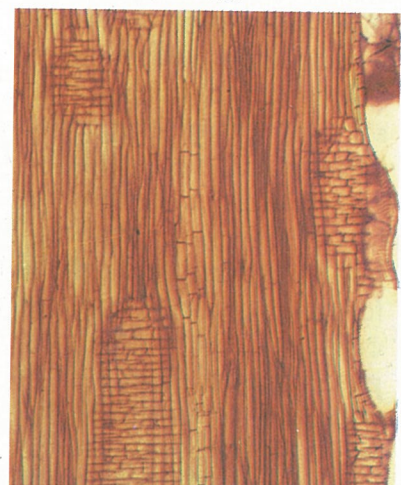
Yemane
Gmelina arborea Roxb.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

YINDAIK

Dalbergia cultrata Grah.

FAMILY - Papilionaceae

HABIT

A large tree reaching a height of 35 m with trunk diameter of 0.7 to 0.8 m, long, straight, fluted stem.

GENERAL CHARACTERISTICS

Growth ring distinct, heartwood greyish brown with purplish black or black streaks, sharply demarcated from the yellowish white to greyish yellow or greyish white rather thick sapwood. Dull, fairly straight-grained, texture medium to coarse, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 59% solitary, radial multiples of 2 – 5 and sometimes pore clusters, 2 – 19 per mm², 42 – 267 (138) μ m in diameter. Vessel pores sometimes contain gum deposits. Vessel length 164 – 246 (208) μ m. Intervessel pitting 5 – 10 μ m, alternate to opposite, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thick-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma aliform, aliform confluent forming 1 – 9 seriate bands, diffuse and diffuse in aggregate forming relatively long bands. Prismatic crystals in 4 – 15 chambered axial parenchyma. Rays 1 – 4 (mostly 3) cells wide, 1 – 19 cells high, 17 – 28 per mm, heterocellular, consisting of procumbent cells with one row of upright cells on one or both sides.

BASIC SPECIFIC GRAVITY 0.79

STRENGTH GROUP B

DURABILITY - Durable

TREATABILITY - Easy

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule:
- B (Proposed)

WORKING PROPERTIES

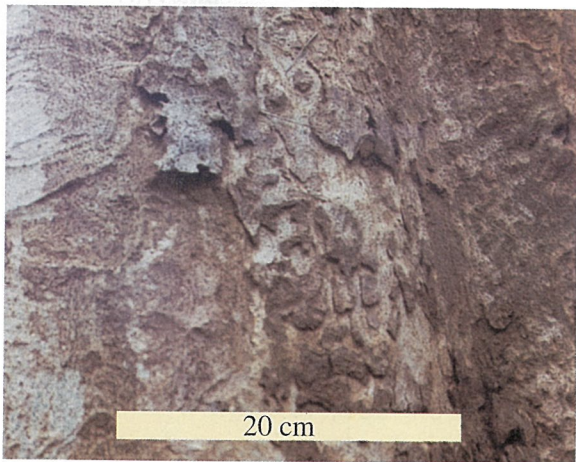
The timber is hard and difficult to saw, moderately difficult to work with hand and machine tools, planes moderately good, nailing and boring properties moderately poor, turns well, takes a smooth finish, mortising satisfactory.

RECOMMENDED END USES

Carving, furniture, door and window frames, household appliances.



Timber specimen

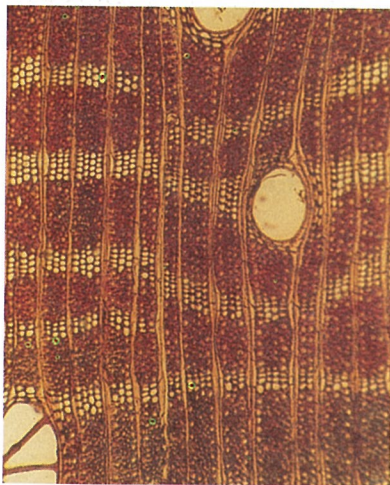


Bark



A plant in natural habit

Yindaik
Dalbergia cultrata Grah.



Transverse section (X 75)



Tangential longitudinal section (X 75)



Radial longitudinal section (X 75)

YINMA

Chukrasia tabularis A.Juss.

FAMILY - Meliaceae

HABIT

A large tree reaching a height of 37 m with trunk diameter of 0.6 to 0.7 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring distinct, heartwood yellowish brown to reddish brown, sharply demarcated from pale yellowish brown sapwood. Lustrous, fairly interlocked-grained, texture very fine, without distinctive odour and taste, wood semi-ring-porous.

MICROSCOPIC CHARACTERISTICS

Average 42% solitary, radial multiples of 2 – 4, 12 – 29 per mm², 30 – 133 (93) μm in diameter. Vessel pores containing gum deposits. Vessel length 144 – 646 (404) μm . Intervessel pitting 3 – 10 μm , alternate, vessel ray pitting 3 – 5 μm , opposite to alternate. Perforation plates simple. Fibres thin-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma scanty, vasicentric with 1 – 2 seriate sheath, diffuse and 2 – 6 seriate terminal band. Axial parenchyma contain gum deposits. Prismatic crystals in 4 to 18 chambered axial parenchyma. Rays 1 – 4 (mostly 3) cells wide, 1 – 40 cells high, 7 – 11 per mm, homocellular, consisting of only procumbent cells. Ray parenchyma consist of gum deposits.

BASIC SPECIFIC GRAVITY 0.78

STRENGTH GROUP B

DURABILITY - Durable

TREATABILITY - Difficult

SEASONING - Seasons slowly with no degrade.

Recommended Kiln Schedule:
- F (Proposed)

WORKING PROPERTIES

The timber saws and machines fairly well, easy to work with hand and machine tools; planing fairly good; nailing and boring properties moderate; a good turnery wood; mortising moderate.

RECOMMENDED END USES

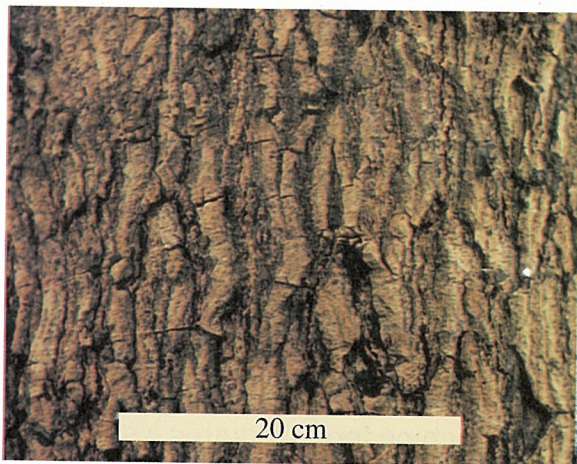
Furniture, turnery, house building, veneers, plywood, panelling, interior finish, sleepers.



Timber specimen

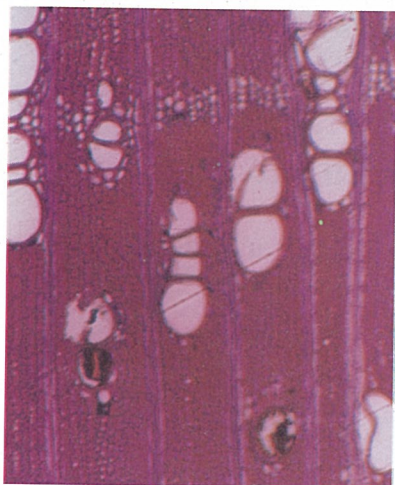


A plant in natural habit

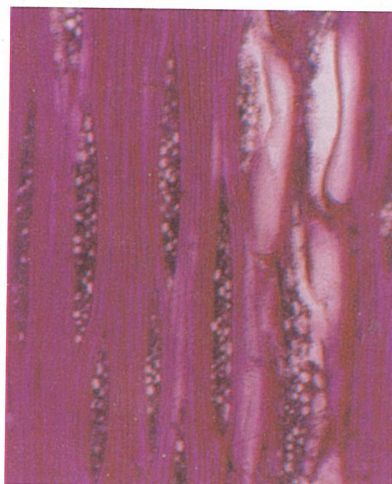


Bark

Yinma
Chukrasia tabularis A. Juss.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

YINZAT

Dalbergia fusca Pierre.

FAMILY - Papilionaceae

HABIT

A large tree reaching a height of 25 m with trunk diameter of 0.5 to 0.6 m, long, straight, fluted stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood dark brown to purplish brown with black streaks, sharply demarcated from pale yellow or yellowish white to pinkish white rather thick sapwood. Dull, fairly straight-grained but sometimes interlocked-grained, texture medium-coarse, with slightly distinctive odour and without distinctive taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 62% solitary, radial multiples of 2 – 3, sometimes pore clusters, 1 – 10 per mm², 31 – 195 (121) µm in diameter. Vessel pores contain gum deposits. Vessel length 135 – 246 (210) µm. Intervessel pitting 7 – 12 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with minute, slit-like pits in radial walls. Axial parenchyma banded and diffuse. Axial parenchyma contain crystals. Rays 1 – 3 (mostly 2) cells wide, 1 – 22 cells high, 11 – 20 per mm, homocellular, consisting of only procumbent cells. Rays typically storied.

BASIC SPECIFIC GRAVITY 0.70

STRENGTH GROUP B

DURABILITY - Moderately durable

TREATABILITY - Easy

SEASONING - Seasons slowly with almost no degrade.

Recommended Kiln Schedule:
- B (Proposed)

WORKING PROPERTIES

Difficult to saw, work with hand and machine tools, requires a slow feed in sawing, planing moderately well, nailing and boring rather poor, turning and mortising fairly well.

RECOMMENDED END USES

Furniture, carving, sleepers.



Timber specimen



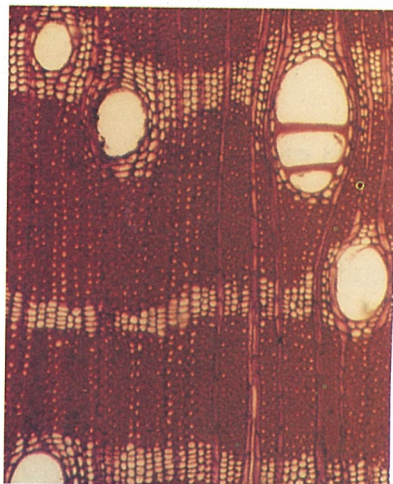
Bark



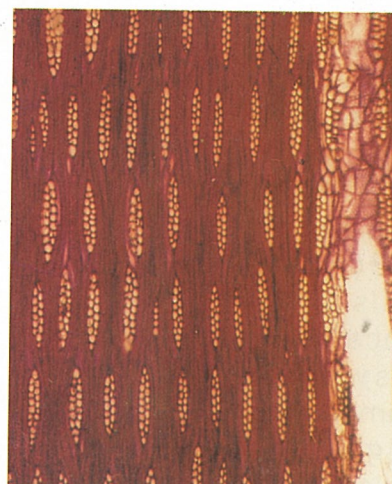
A plant in natural habit

Yinzat

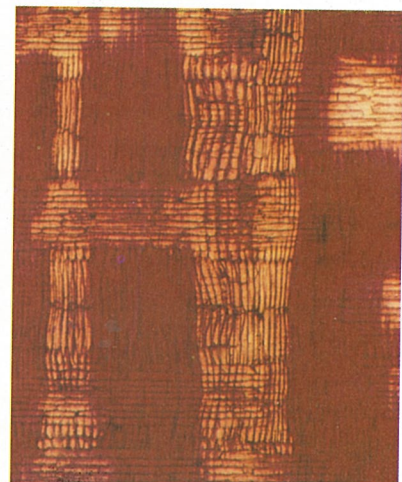
***Dalbergia fusca* Pierre.**



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

YON

Anogeissus acuminata Wall.

FAMILY - Combretaceae

HABIT

A large tree reaching a height of 37 m, with trunk diameter of 0.5 to 0.8 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from yellowish white or yellowish grey to light brown sapwood. Lustrous, straight-grained but sometimes irregularly interlocked-grained, texture medium-fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 61% solitary, radial multiples of 2 – 10, 7 – 27 per mm², 51 – 164 (130) µm in diameter. Vessel length 297 – 605 (414) µm. Intervessel pitting 5 – 10 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres very thick-walled, non-septate, with minute slit-like pits in radial walls. Axial parenchyma vasicentric, aliform, aliform confluent and diffuse. Rays 1 – 3 (mostly 2) cells wide, 2 – 39 cells high, 11 – 22 per mm, heterocellular, consisting of procumbent cells with one or two rows of upright cells among the procumbent cells. Upright ray parenchyma contain crystals.

BASIC SPECIFIC GRAVITY 0.76

STRENGTH GROUP B

DURABILITY - Moderately durable

TREATABILITY - Difficult

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule: E

WORKING PROPERTIES

Timber is difficult to saw, mineral matter tends to blunt cutters; planes moderate, nailing and boring poor; turning and mortising rather satisfactory.

RECOMMENDED END USES

House building, sleepers, tool handles, agricultural implement.



Timber specimen

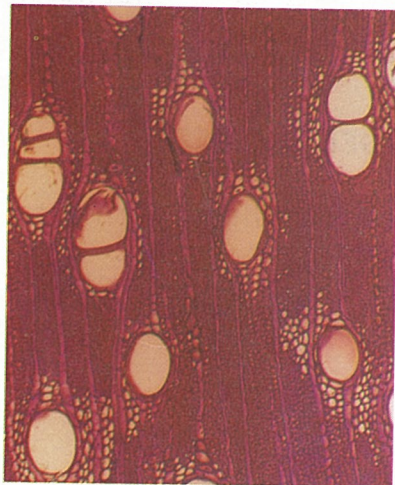


A plant in natural habit

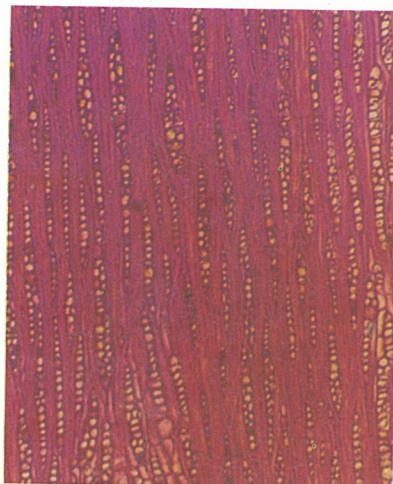


Bark

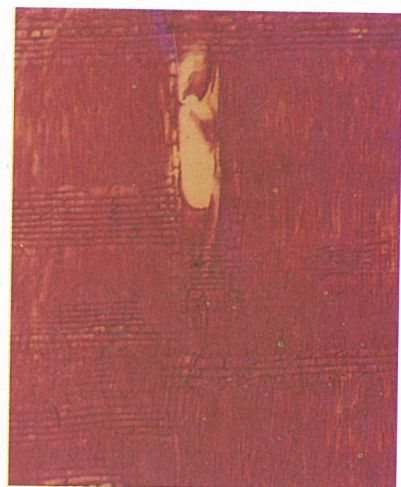
Yon
Anogeissus acuminata Wall.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

ZAUNGBALE

Lagerstroemia villosa Wall.

FAMILY - Lythraceae

HABIT

A large tree reaching a height of 31m, with trunk diameter of 0.6 to 0.8 m, long, straight, fluted stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood not sharply demarcated from brownish white to brown sapwood. Lustrous, straight-grained, texture medium-fine, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 70% solitary, radial multiples of 2 – 5, sometimes pore clusters, 6 – 27 per mm², 31 – 174 (106) μ m in diameter. Vessel pores contain tyloses. Vessel length 164 – 461 (280) μ m. Intervessel pitting 8 – 10 μ m; opposite to alternate, vested, vessel ray pitting 5 – 8 μ m, opposite to alternate. Perforation plates simple. Fibres thin-walled, septate, with minute slit-like pits in both radial and tangential walls. Axial parenchyma vasicentric, aliform and aliform confluent forming relatively long bands, diffuse, diffuse in aggregate and 1 – 19 seriate terminal bands. Prismatic crystals in 3 – 15 chambered axial parenchyma. Rays 1 – 3 (mostly 1 – 2) cells wide, 4 – 45 cells high, 13 – 20 per mm, homocellular, consisting of only procumbent cells.

BASIC SPECIFIC GRAVITY 0.59

STRENGTH GROUP C

DURABILITY - Moderately durable

TREATABILITY - Moderately difficult

SEASONING - Seasons slowly with little degrade.

Recommended Kiln Schedule: E

WORKING PROPERTIES

Difficult to saw and machine because of twisted lumber after conversion; planing and nailing moderate; boring poor, mortising characteristics moderate.

RECOMMENDED END USES

House building, furniture, agricultural implement.



Timber specimen

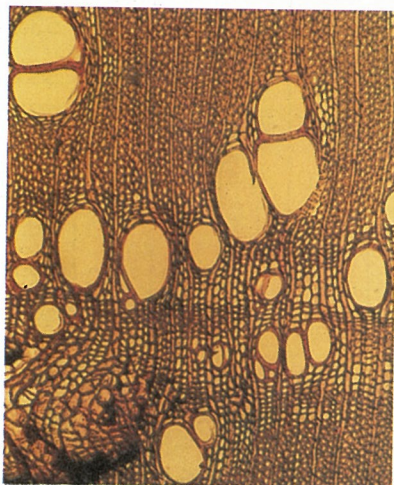


A plant in natural habit

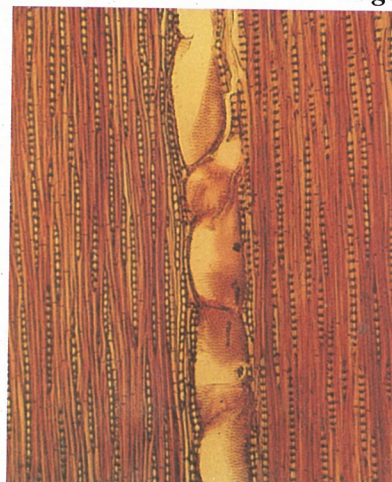


Bark

Zaungbale
Lagerstroemia villosa Wall.



Transverse section (X 75)



Tangential longitudinal
section (X 75)



Radial longitudinal
section (X 75)

Distribution of LUS by Areas

| No. | Species | Botanical Name | Sagaing (%) | Mandalay (%) | Yangon (%) | Magway (%) | Rakhine (%) | Bago (%) | Ayeyawady (%) |
|-----|-----------------|--|-------------|--------------|------------|------------|-------------|----------|---------------|
| | Kyun | <i>Tectona grandis</i> L.f. | 52.8 | 10.3 | 1.2 | 13.5 | 0.0 | 20.9 | 1.3 |
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | 62.5 | 7.9 | 0.0 | 6.1 | 3.7 | 14.9 | 5.0 |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | 20.0 | 7.0 | 0.7 | 22.8 | 3.0 | 39.8 | 6.6 |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | 46.0 | 7.4 | 1.5 | 15.9 | 6.9 | 17.6 | 4.5 |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | 28.3 | 12.5 | 1.3 | 21.7 | 0.8 | 29.8 | 5.6 |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | 13.0 | 16.4 | 0.2 | 29.9 | 1.0 | 31.0 | 8.7 |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | 0.0 | 18.5 | 0.0 | 11.8 | 0.0 | 65.5 | 4.2 |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | 0.0 | 9.4 | 1.5 | 12.1 | 2.2 | 55.7 | 19.1 |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | 4.3 | 3.3 | 0.3 | 6.0 | 0.3 | 84.3 | 1.5 |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | 66.9 | 14.0 | 0.6 | 7.2 | 0.2 | 9.5 | 1.6 |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | 74.0 | 0.0 | 0.0 | 0.0 | 26.0 | 0.0 | 0.0 |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | 46.1 | 13.1 | 0.0 | 33.5 | 0.4 | 6.2 | 0.8 |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | 22.0 | 12.5 | 0.0 | 26.6 | 3.9 | 29.5 | 5.6 |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | 31.5 | 11.9 | 1.6 | 27.9 | 0.9 | 23.4 | 2.7 |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | 30.5 | 13.1 | 0.2 | 9.9 | 6.4 | 30.9 | 9.0 |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | 5.2 | 19.6 | 1.0 | 35.1 | 0.9 | 34.7 | 3.5 |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | 37.2 | 7.0 | 0.0 | 36.0 | 0.7 | 16.6 | 2.5 |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | 5.1 | 32.5 | 1.6 | 13.5 | 2.2 | 41.8 | 3.4 |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | 66.2 | 5.4 | 1.1 | 6.9 | 2.5 | 14.8 | 3.2 |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | 17.7 | 5.2 | 2.2 | 10.5 | 1.0 | 53.6 | 9.7 |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | 37.6 | 7.8 | 1.4 | 6.4 | 6.9 | 38.6 | 1.3 |
| 21 | Nabe | <i>Lannea coromandelica</i> (Houtt.) Merr. | 30.4 | 13.4 | 0.6 | 29.8 | 2.7 | 15.2 | 7.8 |
| 22 | Panga | <i>Terminalia chebula</i> Retz. | 45.2 | 10.0 | 0.4 | 9.8 | 0.8 | 27.1 | 6.6 |
| 23 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | 22.7 | 42.9 | 1.5 | 7.3 | 4.0 | 20.3 | 1.3 |
| 24 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | 20.1 | 26.5 | 2.4 | 19.4 | 0.0 | 17.9 | 13.7 |
| 25 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | 32.2 | 7.5 | 4.9 | 8.2 | 10.0 | 32.9 | 4.2 |
| 26 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | 15.3 | 20.2 | 6.9 | 7.4 | 9.4 | 34.2 | 6.5 |
| 27 | Shaw | <i>Sterculia versicolor</i> Wall. | 25.3 | 2.1 | 0.0 | 27.2 | 2.0 | 40.1 | 3.3 |
| 28 | Sit | <i>Albizzia procera</i> Benth. | 0.0 | 0.0 | 0.0 | 66.9 | 6.9 | 26.3 | 0.0 |
| 29 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | 65.7 | 6.4 | 0.0 | 16.9 | 0.0 | 8.6 | 2.3 |

Distribution of LUS by Areas

| No. | Species | Botanical Name | Sagaing (%) | Mandalay (%) | Yangon (%) | Magway (%) | Rakhine (%) | Bago (%) | Ayeyawady (%) |
|-----|--------------|---|-------------|--------------|------------|------------|-------------|----------|---------------|
| 30 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | 74.9 | 0.0 | 0.0 | 12.1 | 8.8 | 0.0 | 4.3 |
| 31 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | 12.2 | 2.3 | 1.7 | 14.8 | 36.5 | 19.1 | 13.5 |
| 32 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | 0.0 | 0.0 | 23.1 | 56.9 | 0.0 | 0.0 | 20.0 |
| 33 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | 16.1 | 2.0 | 0.8 | 6.2 | 26.8 | 11.0 | 36.8 |
| 34 | Taw-thayet | <i>Mangifera</i> spp. | 62.5 | 8.7 | 1.2 | 11.1 | 6.4 | 7.3 | 2.8 |
| 35 | Thabye | <i>Eugenia</i> spp. | 63.0 | 6.0 | 1.1 | 9.2 | 10.5 | 8.1 | 2.1 |
| 36 | Thadi | <i>Protium serratum</i> Engler. | 53.7 | 12.7 | 0.3 | 10.9 | 0.3 | 20.1 | 2.0 |
| 37 | Thande | <i>Stereospermum personatum</i> Chatt. | 18.0 | 29.2 | 2.9 | 12.7 | 0.2 | 34.6 | 2.4 |
| 38 | Thapan | <i>Ficus</i> spp. | 36.0 | 5.4 | 2.5 | 13.9 | 12.7 | 25.7 | 3.7 |
| 39 | Thingadu | <i>Parashorea stellata</i> Kz. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 |
| 40 | Thitkado | <i>Cedrela toona</i> Roxb. | 21.7 | 8.2 | 1.7 | 10.5 | 15.3 | 38.8 | 3.7 |
| 41 | Thit-magyi | <i>Albizia odoratissima</i> (L.f.) Benth. | 14.5 | 11.0 | 2.6 | 21.1 | 2.6 | 42.1 | 6.2 |
| 42 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | 12.7 | 24.0 | 2.0 | 16.0 | 0.0 | 41.9 | 3.5 |
| 43 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | 30.9 | 7.8 | 0.0 | 34.9 | 1.8 | 23.0 | 1.8 |
| 44 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | 37.1 | 12.3 | 0.5 | 20.1 | 4.7 | 17.9 | 7.3 |
| 45 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | 72.2 | 6.8 | 0.0 | 8.7 | 0.0 | 0.0 | 12.3 |
| 46 | Yemane | <i>Gmelina arborea</i> Roxb. | 53.5 | 9.7 | 1.6 | 9.0 | 0.4 | 24.9 | 0.8 |
| 47 | Yindaik | <i>Dalbergia cultrata</i> Grah. | 14.9 | 15.9 | 1.6 | 25.2 | 0.0 | 37.7 | 4.7 |
| 48 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | 45.2 | 22.8 | 0.0 | 21.9 | 0.0 | 10.1 | 0.0 |
| 49 | Yinzat | <i>Dalbergia fusca</i> Pierre. | 21.0 | 31.7 | 0.7 | 17.0 | 0.0 | 25.0 | 3.6 |
| 50 | Yon | <i>Anogeissus acuminata</i> Wall. | 21.4 | 19.6 | 1.0 | 33.6 | 0.4 | 22.8 | 1.2 |
| 51 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | 28.1 | 20.7 | 0.9 | 15.1 | 0.5 | 33.5 | 1.1 |

Distribution of LUS by Forest Types

| No. | Species | Evergreen Forest Typical (%) | Evergreen Forest Giant (%) | Evergreen Forest Rivering (%) | Mixed Deciduous Forest Upper Moist (%) | Mixed Deciduous Forest Lower (%) | Mixed Deciduous Forest Upper Dry (%) | Dry Forest Thorn (%) | Dry Forest Than-dahat (%) | Dipterocarp (Indaing) Forest High (%) | Dipterocarp (Indaing) Forest Low (%) | Bamboo (%) | Swamp (%) |
|-----|---|------------------------------|----------------------------|-------------------------------|--|----------------------------------|--------------------------------------|----------------------|---------------------------|---------------------------------------|--------------------------------------|------------|-----------|
| | Kyun <i>Tectona grandis</i> | 0.18 | 0.29 | 0.26 | 52.79 | 5.22 | 39.01 | 0.45 | 0.00 | 1.38 | 0.41 | 0.00 | 0.00 |
| 1 | Baing <i>Tetrameles nudiflora</i> | 2.57 | 5.95 | 2.47 | 68.86 | 5.33 | 11.82 | 0.00 | 0.00 | 1.41 | 0.00 | 1.60 | 0.00 |
| 2 | Binga <i>Mitragyna rotundifolia</i> | 0.89 | 0.00 | 0.00 | 56.61 | 6.22 | 34.18 | 0.48 | 0.00 | 0.89 | 0.29 | 0.43 | 0.00 |
| 3 | Bonmeza <i>Albizzia chinensis</i> | 3.17 | 3.59 | 0.00 | 46.89 | 6.27 | 39.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.00 |
| 4 | Chinyok <i>Garuga pinnata</i> | 1.11 | 1.15 | 0.00 | 61.74 | 4.29 | 29.88 | 0.55 | 0.00 | 0.60 | 0.33 | 0.36 | 0.00 |
| 5 | Didu <i>Salmalia insignis</i> | 1.14 | 1.25 | 0.00 | 37.52 | 1.71 | 55.60 | 0.91 | 0.10 | 1.13 | 0.31 | 0.34 | 0.00 |
| 6 | Dwabok <i>Kydia calycina</i> | 1.15 | 0.00 | 0.00 | 78.64 | 1.38 | 17.87 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | Dwani <i>Eriolaena candollei</i> | 1.63 | 0.00 | 0.00 | 66.89 | 1.53 | 27.80 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 |
| 8 | Gwe <i>Spondias pinnata</i> | 0.53 | 0.45 | 0.27 | 54.46 | 2.57 | 39.43 | 0.86 | 0.00 | 0.90 | 0.00 | 0.53 | 0.00 |
| 9 | Gyo <i>Schleichera oleosa</i> | 2.17 | 1.54 | 0.34 | 44.27 | 4.85 | 40.11 | 0.00 | 0.15 | 5.45 | 1.12 | 0.00 | 0.00 |
| 10 | Hmyaseik <i>Antiaris toxicaria</i> | 0.00 | 0.00 | 6.62 | 37.45 | 0.00 | 55.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | Hnaw <i>Adina cordifolia</i> | 0.73 | 0.00 | 0.00 | 17.15 | 4.44 | 74.69 | 0.45 | 0.00 | 2.54 | 0.00 | 0.00 | 0.00 |
| 12 | Kokko <i>Albizzia lebbek</i> | 4.70 | 1.26 | 2.84 | 29.32 | 1.46 | 55.54 | 0.00 | 0.00 | 3.49 | 1.39 | 0.00 | 0.00 |
| 13 | Kuthan <i>Hymenodictyon excelsum</i> | 3.93 | 1.85 | 0.00 | 45.25 | 2.71 | 45.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 |
| 14 | Kyetyo <i>Vitex peduncularis</i> | 3.54 | 4.07 | 0.57 | 70.96 | 0.30 | 14.86 | 0.00 | 0.00 | 1.90 | 0.32 | 3.23 | 0.25 |
| 15 | Lein <i>Terminalia pyrifolia</i> | 0.77 | 0.00 | 0.00 | 41.69 | 4.85 | 51.44 | 0.59 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 |
| 16 | Letpan <i>Salmalia malabarica</i> | 1.85 | 2.17 | 0.00 | 52.41 | 2.09 | 34.14 | 2.12 | 0.00 | 4.00 | 1.22 | 0.00 | 0.00 |
| 17 | Leza <i>Lagerstroemia tomentosa</i> | 4.16 | 0.00 | 1.27 | 72.17 | 4.12 | 17.38 | 0.00 | 0.00 | 0.27 | 0.00 | 0.61 | 0.00 |

Distribution of LUS by Forest Types

| No. | Species | Evergreen Forest Typical (%) | Evergreen Forest Giant (%) | Evergreen Forest Rivering (%) | Mixed Deciduous Forest Upper Moist (%) | Mixed Deciduous Forest Lower (%) | Mixed Deciduous Forest Upper Dry (%) | Dry Forest Thorn (%) | Dry Forest Than-dahat (%) | Dipterocarp (Indaing) Forest High (%) | Dipterocarp (Indaing) Forest Low (%) | Bamboo (%) | Swamp (%) |
|-----|---|------------------------------|----------------------------|-------------------------------|--|----------------------------------|--------------------------------------|----------------------|---------------------------|---------------------------------------|--------------------------------------|------------|-----------|
| 18 | Ma-u-lettan-she <i>Anthocephalus cadamba</i> | 3.69 | 2.89 | 1.27 | 56.61 | 9.16 | 23.60 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | Myaukchaw <i>Homalium tomentosum</i> | 1.66 | 0.27 | 0.00 | 55.09 | 5.92 | 35.31 | 0.00 | 0.00 | 0.98 | 0.00 | 0.77 | 0.00 |
| 20 | Myaukngo <i>Duabanga grandiflora</i> | 5.88 | 0.56 | 3.27 | 73.11 | 5.92 | 10.22 | 0.00 | 0.39 | 0.00 | 0.00 | 0.65 | 0.00 |
| 21 | Nabe <i>Lanea coromandelica</i> | 1.67 | 3.49 | 0.14 | 5.23 | 4.98 | 79.22 | 1.28 | 0.00 | 1.58 | 1.45 | 0.97 | 0.00 |
| 22 | Panga <i>Terminalia chebula</i> | 0.00 | 2.04 | 0.33 | 65.27 | 1.43 | 25.48 | 0.00 | 0.00 | 3.56 | 0.72 | 1.17 | 0.00 |
| 23 | Petthan <i>Haplophragma adenophyllum</i> | 4.64 | 3.18 | 0.00 | 54.67 | 14.89 | 17.83 | 0.00 | 0.00 | 2.23 | 0.00 | 2.55 | 0.00 |
| 24 | Pyaukseik <i>Holoptelea integrifolia</i> | 0.00 | 0.00 | 0.00 | 65.20 | 4.98 | 24.84 | 0.00 | 0.00 | 4.98 | 0.00 | 0.00 | 0.00 |
| 25 | Pyinma <i>Lagerstroemia speciosa</i> | 8.23 | 4.97 | 0.39 | 48.51 | 7.57 | 26.14 | 0.00 | 0.14 | 0.72 | 0.00 | 3.34 | 0.00 |
| 26 | Seikchi <i>Bridelia retusa</i> | 11.85 | 0.00 | 0.00 | 62.19 | 5.35 | 17.26 | 1.15 | 0.00 | 0.71 | 1.49 | 0.00 | 0.00 |
| 27 | Shaw <i>Sterculia versicolor</i> | 0.35 | 0.90 | 0.38 | 64.00 | 4.13 | 29.72 | 0.00 | 0.00 | 0.21 | 0.31 | 0.00 | 0.00 |
| 28 | Sit <i>Albizzia procera</i> | 0.00 | 0.00 | 0.00 | 16.80 | 14.41 | 67.09 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 |
| 29 | Taukkyan <i>Terminalia tomentosa</i> | 0.14 | 0.71 | 0.12 | 42.66 | 6.26 | 43.60 | 0.83 | 0.00 | 4.18 | 1.31 | 0.19 | 0.00 |
| 30 | Taung-meok <i>Alstonia scholaris</i> | 2.10 | 8.73 | 0.00 | 28.67 | 1.26 | 59.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | Taung-peinne <i>Artocarpus chaplasha</i> | 10.75 | 23.51 | 6.25 | 32.77 | 0.00 | 19.40 | 0.00 | 0.00 | 1.14 | 0.00 | 4.14 | 2.04 |
| 32 | Taung-petwun <i>Pterospermum acerifolium</i> | 14.24 | 0.00 | 0.00 | 59.16 | 0.00 | 26.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | Taung-thayet <i>Swintonia floribunda</i> | 26.43 | 23.40 | 2.82 | 36.66 | 0.72 | 2.72 | 0.14 | 0.00 | 0.17 | 0.34 | 2.40 | 4.19 |
| 34 | Taw-thayet <i>Mangifera spp.</i> | 8.46 | 1.44 | 0.00 | 71.37 | 2.80 | 10.13 | 0.00 | 0.00 | 3.30 | 1.62 | 0.34 | 0.53 |
| 35 | Thabye <i>Eugenia spp.</i> | 15.95 | 6.61 | 0.76 | 45.37 | 2.90 | 17.28 | 0.12 | 0.00 | 7.63 | 2.14 | 0.98 | 0.27 |

Distribution of LUS by Forest Types

| No. | Species | Evergreen Forest Typical (%) | Evergreen Forest Giant (%) | Evergreen Forest Rivering (%) | Mixed Deciduous Forest Upper Moist (%) | Mixed Deciduous Forest Lower (%) | Mixed Deciduous Forest Upper Dry (%) | Dry Forest Thorn (%) | Dry Forest Than-dahat (%) | Dipterocarp (Indaing) Forest High (%) | Dipterocarp (Indaing) Forest Low (%) | Bamboo (%) | Swamp (%) |
|-----|---|------------------------------|----------------------------|-------------------------------|--|----------------------------------|--------------------------------------|----------------------|---------------------------|---------------------------------------|--------------------------------------|------------|-----------|
| 36 | Thadi <i>Protium serratum</i> | 1.54 | 1.81 | 0.00 | 64.96 | 5.13 | 24.25 | 0.00 | 0.14 | 1.66 | 0.00 | 0.51 | 0.00 |
| 37 | Thande <i>Stereospermum personatum</i> | 1.09 | 0.21 | 0.00 | 62.76 | 4.88 | 30.26 | 0.00 | 0.15 | 0.22 | 0.00 | 0.43 | 0.00 |
| 38 | Thapan <i>Ficus spp.</i> | 3.48 | 2.08 | 2.59 | 66.93 | 9.41 | 12.27 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 |
| 39 | Thingadu <i>Parashorea stellata</i> | 36.75 | 0.00 | 0.00 | 49.11 | 7.15 | 5.91 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 |
| 40 | Thitkado <i>Cedrela toona</i> | 0.00 | 4.24 | 0.00 | 27.23 | 1.15 | 63.02 | 0.00 | 1.62 | 0.00 | 0.00 | 2.74 | 0.00 |
| 41 | Thit-magyi <i>Albizia odoratissima</i> | 5.28 | 0.00 | 0.00 | 47.91 | 2.26 | 40.69 | 0.00 | 1.76 | 0.58 | 0.00 | 0.66 | 0.86 |
| 42 | Thit-pagan <i>Millettia brandisiana</i> | 0.93 | 0.41 | 0.00 | 60.74 | 6.61 | 27.02 | 0.29 | 0.00 | 2.48 | 1.52 | 0.00 | 0.00 |
| 43 | Thit-payaung <i>Nauclea sessilifolia</i> | 0.78 | 1.66 | 0.00 | 11.37 | 0.75 | 82.64 | 0.79 | 0.00 | 1.22 | 0.79 | 0.00 | 0.00 |
| 44 | Thit-sein <i>Terminalia bellerica</i> | 0.81 | 4.30 | 0.19 | 52.67 | 5.51 | 31.05 | 0.61 | 0.00 | 1.54 | 0.30 | 3.02 | 0.00 |
| 45 | Thit-swele <i>Schrebera swietenoides</i> | 0.00 | 0.00 | 0.00 | 33.58 | 4.80 | 53.75 | 0.00 | 2.60 | 3.15 | 0.00 | 2.11 | 0.00 |
| 46 | Yemane <i>Gmelina arborea</i> | 4.39 | 1.80 | 0.00 | 67.56 | 6.77 | 18.21 | 0.00 | 0.00 | 1.28 | 0.00 | 0.00 | 0.00 |
| 47 | Yindaik <i>Dalbergia cultrata</i> | 0.00 | 0.00 | 0.46 | 45.39 | 5.21 | 46.31 | 0.00 | 0.00 | 2.01 | 0.63 | 0.00 | 0.00 |
| 48 | Yinma <i>Chukrasia tabularis</i> | 0.00 | 1.13 | 0.00 | 36.04 | 1.99 | 57.64 | 0.00 | 0.80 | 2.40 | 0.00 | 0.00 | 0.00 |
| 49 | Yinzat <i>Dalbergia fusca</i> | 4.48 | 0.00 | 0.00 | 51.18 | 4.85 | 30.96 | 0.00 | 0.81 | 3.20 | 4.51 | 0.00 | 0.00 |
| 50 | Yon <i>Anogeissus acuminata</i> | 0.68 | 0.34 | 0.22 | 41.45 | 5.44 | 48.35 | 1.40 | 0.22 | 0.71 | 1.20 | 0.00 | 0.00 |
| 51 | Zaungbale <i>Lagerstroemia villosa</i> | 0.64 | 0.76 | 0.00 | 62.47 | 7.09 | 26.85 | 0.55 | 0.00 | 0.79 | 0.25 | 0.61 | 0.00 |

Composition of LUS stands compared to Teak

| No. | Species | Botanical Name | % Composition of stands compared to Teak(1.5 to 1.7 m gbh) |
|-----|-----------------|--|---|
| | Kyun | <i>Tectona grandis</i> Linn.f | 100.0 |
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | 2.5 |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | 6.1 |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | 1.6 |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | 13.1 |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | 9.5 |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | 0.4 |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | 0.8 |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | 5.9 |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | 11.1 |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | 0.1 |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | 4.5 |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | 0.9 |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | 2.0 |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | 5.0 |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | 2.0 |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | 2.8 |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | 4.1 |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | 2.2 |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | 5.2 |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | 5.5 |
| 21 | Nabe | <i>Lannea coromandelica</i> (Houtt.) Merr. | 13.9 |
| 22 | Panga | <i>Terminalia chebula</i> Retz. | 6.6 |
| 23 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | 1.4 |
| 24 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | 1.0 |
| 25 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | 6.7 |
| 26 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | 1.3 |
| 27 | Shaw | <i>Sterculia versicolor</i> Wall. | 3.7 |
| 28 | Sit | <i>Albizzia procera</i> Benth. | 0.5 |

Composition of LUS stands compared to Teak

| No. | Species | Botanical Name | % Composition of stands compared to Teak(1.5 to 1.7 m gbh) |
|-----|--------------|---|---|
| 29 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | 41.4 |
| 30 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | 0.4 |
| 31 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | 1.7 |
| 32 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | 0.1 |
| 33 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | 9.6 |
| 34 | Taw-thayet | <i>Mangifera</i> spp. | 3.1 |
| 35 | Thabye | <i>Eugenia</i> spp. | 13.5 |
| 36 | Thadi | <i>Protium serratum</i> Engler. | 17.8 |
| 37 | Thande | <i>Stereospermum personatum</i> Chatt. | 7.4 |
| 38 | Thapan | <i>Ficus</i> spp. | 1.4 |
| 39 | Thingadu | <i>Parashorea stellata</i> Kz. | 0.6 |
| 40 | Thitkado | <i>Cedrela toona</i> Roxb. | 0.5 |
| 41 | Thit-magyi | <i>Albizia odoratissima</i> (L.f.) Benth. | 1.4 |
| 42 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | 4.1 |
| 43 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | 1.0 |
| 44 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | 6.9 |
| 45 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | 0.6 |
| 46 | Yemane | <i>Gmelina arborea</i> Roxb. | 4.4 |
| 47 | Yindaik | <i>Dalbergia cultrata</i> Grah. | 4.1 |
| 48 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | 1.4 |
| 49 | Yinzat | <i>Dalbergia fusca</i> Pierre. | 1.5 |
| 50 | Yon | <i>Anogeissus acuminata</i> Wall. | 10.1 |
| 51 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | 6.6 |

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

White or yellow



Gwe
Spondias pinnata (L.) Kz.



Baing
Tetrameles nudiflora R.Br.



Letpan
Salmalia malabarica (DC.) Schott. & Endl.



Kuthan
Hymenodictyon excelsum Wall.



Shaw
Sterculia versicolor Wall.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

White or yellow



Yemane
Gmelina arborea Roxb.



Hmyaseik
Antiaris toxicaria (Pers.) Lesch.



Dwabok
Kydia calycina Roxb.



Ma-u-lettan-she
Anthocephalus cadamba Miq.



Thande
Sterospermum personatum Chatt.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

White or yellow



Thit-pagan
Millettia brandisiana Kz.



Taung-meok
Alstonia scholaris (L.) R.Br.



Pyaukseik
Holoptelea integrifolia Planch.



Yinzat
Dalbergia fusca Miq.



Didu
Salmalia insignis Schott. & Endl.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

White or yellow



Lein
Terminalia pyrifolia Kz.



Thitsein
Terminalia bellerica Roxb.



Thapan
Ficus spp.



Binga
Mitragyna rotundifolia (Roxb.) Ktze.



Thit-payaung
Nauclea sessilifolia Roxb.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

White or yellow



Hnaw
Adina cordifolia Hk.f.



Taw-thayet
Mangifera spp.



Myaukchaw
Homalium tomentosum Benth.



Taung-peinne
Artocarpus chaplasha Roxb.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Shades of red, purple, brown



Yon
Anogeissus acuminata Wall.



Seikchi
Bridelia retusa (L.) Spreng.



Thit-swele
Schrebera swietenioides Roxb.



Chinyok
Garuga pinnata Roxb.



Kyetyo
Vitex peduncularis Wall.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Shades of red, purple, brown



Sit
Albizia procera Benth.



Pyinma
Lagerstroemia speciosa (L.) Pers.



Thadi
Protium serratum Engler.



Thitkado
Cedrela toona Roxb.



Yinma
Chukrasia tabularis A.Juss.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Shades of red, purple, brown



Nabe
Lannea coromandelica (Houtt.) Merr.



Zaungbale
Lagerstroemia villosa Wall.



Thingadu
Parashorea stellata Kz.



Thabye
Eugenia spp.



Dwani
Eriolaena candollei Wall.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Shades of red, purple, brown



Gyo
Schleichera oleosa (Lour.) Merr.



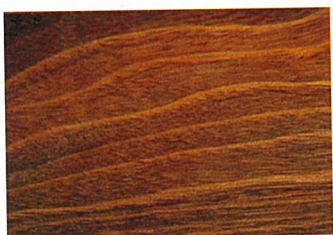
Taung-okshit
Elaeocarpus spp.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Brown without red



Leza
Lagerstroemia tomentosa Presl.



Panga
Terminalia chebula Retz.



Myaukngo
Duabanga grandiflora (Roxb.) Walp.



Petthan
Haplophragma adenophyllum (Wall.) Dop.



Thit-magyi
Albizzia odoratissima (L.f.) Benth.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Brown without red



Kokko
Albizzia lebbek Benth.



Taukkyan
Terminalia tomentosa W. & A.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Shades of pink



Taung-petwun
Pterospermum acerifolium (L.) Willd.



Bonmeza
Albizzia chinensis (Osbeck.) Merr.



Myauk-thwe-gyi
Myristica spp.



Myauk-thwe-the
Myristica angustifolia Roxb.



Taung-thayet
Swintonia floribunda Griff.

**MYANMAR LESSER USED TIMBER SPECIES
WOOD SPECIES COLOUR GROUPING**

Black



Yindaik
Dalbergia cultrata Grah.

Classification Chart for Basic Specific Gravity

| No. | Species | Botanical Name | Basic Specific Gravity (Heavy to light) | | | | | | | |
|-----|-----------------|--|--|-----|-----|-----|-----|-----|-----|---|
| | | | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | |
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | | | | | | | ■ | |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | | | | ■ | | | | |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | | | | | | | | ■ |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | | | | ■ | | | | |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | | | | | | | ■ | |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | | | | | | | ■ | |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | | | ■ | | | | | |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | | | | | | | | ■ |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | ■ | | | | | | | |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | | | | | | | | ■ |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | | | | ■ | | | | |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | | | | | | ■ | | |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | | | | | | | ■ | |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | | ■ | | | | | | |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | | | | ■ | | | | |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | | | | | | | | ■ |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | | | | ■ | | | | |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | | | | | | | ■ | |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | | ■ | | | | | | |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | | | | | | ■ | | |
| 21 | Myauk-thwe-gyi | <i>Myristica</i> spp. | | | | | | | | ■ |
| 22 | Myauk-thwe-the | <i>Myristica angustifolia</i> Roxb. | | | | ■ | | | | |
| 23 | Nabe | <i>Lansea coromandelica</i> (Houtt.) Merr. | | | ■ | | | | | |
| 24 | Panga | <i>Terminalia chebula</i> Retz. | | ■ | | | | | | |
| 25 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | | ■ | | | | | | |
| 26 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | | | | ■ | | | | |
| 27 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | | | | | | ■ | | |
| 28 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | | | | ■ | | | | |
| 29 | Shaw | <i>Sterculia versicolor</i> Wall. | | | | | | | ■ | |
| 30 | Sit | <i>Albizzia procera</i> Benth. | | | ■ | | | | | |

Classification Chart for Basic Specific Gravity

| No. | Species | Botanical Name | Basic Specific Gravity (Heavy to light) | | | | | | | |
|-----|--------------|---|--|-----|-----|-----|-----|-----|-----|---|
| | | | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | |
| 31 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | | ■ | | | | | | |
| 32 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | | | | | | | ■ | |
| 33 | Taung-okshit | <i>Elaeocarpus</i> spp. | | | ■ | | | | | |
| 34 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | | | | | | | ■ | |
| 35 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | | | | | ■ | | | |
| 36 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | | | | ■ | | | | |
| 37 | Taw-thayet | <i>Mangifera</i> spp. | | | | ■ | | | | |
| 38 | Thabye | <i>Eugenia</i> spp. | | | ■ | | | | | |
| 39 | Thadi | <i>Protium serratum</i> Engler. | | | ■ | | | | | |
| 40 | Thande | <i>Stereospermum personatum</i> Chatt. | | | ■ | | | | | |
| 41 | Thapan | <i>Ficus</i> spp. | | | | | | | | ■ |
| 42 | Thingadu | <i>Parashorea stellata</i> Kz. | | | | ■ | | | | |
| 43 | Thitkado | <i>Cedrela toona</i> Roxb. | | | | | | | ■ | |
| 44 | Thit-magyi | <i>Albizia odoratissima</i> (L.f.) Benth. | | ■ | | | | | | |
| 45 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | | | | | | | ■ | |
| 46 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | | | ■ | | | | | |
| 47 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | | | ■ | | | | | |
| 48 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | | | ■ | | | | | |
| 49 | Yemane | <i>Gmelina arborea</i> Roxb. | | | | | ■ | | | |
| 50 | Yindaik | <i>Dalbergia cultrata</i> Grah. | | ■ | | | | | | |
| 51 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | | ■ | | | | | | |
| 52 | Yinzat | <i>Dalbergia fusca</i> Pierre. | | | ■ | | | | | |
| 53 | Yon | <i>Anogeissus acuminata</i> Wall. | | ■ | | | | | | |
| 54 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | | | | ■ | | | | |

PHYSICAL AND MECHANICAL PROPERTIES

| SPECIES | | PHYSICAL PROPERTIES | | | | STATE | MECHANICAL PROPERTIES | | | | | | | |
|---------|---|---------------------|------------|--------|------------|------------------|------------------------------|---------------------------------|--|---|--------------|--------------|--------------|-------------------|
| | | AIR DRY DENSITY | SHRINKAGE | | | | Modulus of rupture MOR | STATIC BENDING | | COMPRESSION | | HARDNESS | | |
| | | | Tangential | Radial | Volumetric | | | Modulus of elasticity MOE | Parallel to the grain (Maximum compression) | Perpendicular to the grain (stress at proportional limit) | Radial | Tangential | End | |
| | | | | | | | | | | | | | | Kgm ⁻³ |
| 1 | Baing <i>Tetrameles nudiflora</i> | 449 | 8.5 | 3.5 | 10.8 | saturated 12% | 29 42 | 5026 6247 | 13 26 | 3 5 | 104 168 | 102 161 | 160 318 | |
| 2 | Binga <i>Mitragyna rotundifolia</i> | 665 | 8.2 | 4.0 | 12.0 | saturated 12% | 54 82 | 9281 11053 | 29 42 | 7 12 | 324 535 | 321 549 | 448 664 | |
| 3 | Bonmeza <i>Albizia chinensis</i> | 340 | 6.2 | 2.2 | 7.5 | saturated 12% | 33 40 | 5144 6578 | 16 25 | 3 3 | 120 166 | 108 128 | 174 239 | |
| 4 | Chinyok <i>Garuga pinnata</i> | 716 | 6.1 | 3.3 | 10.6 | saturated 12% | 55 84 | 9777 10963 | 28 44 | 8 8 | 325 357 | 310 320 | 365 424 | |
| 5 | Didu <i>Salmalia insignis</i> | 429 | 5.9 | 2.8 | 9.2 | saturated 12% | 37 52 | 7743 8701 | 21 32 | 3 5 | 131 169 | 118 160 | 185 239 | |
| 6 | Dwabok <i>Kydia calycina</i> | 508 | 6.6 | 3.0 | 10.1 | saturated 12% | 47 72 | 8750 10246 | 19 28 | 3 5 | 184 227 | 173 223 | 266 361 | |
| 7 | Dwani <i>Eriolaena candollei</i> | 857 | 6.9 | 4.2 | 10.8 | saturated 12% | 104 123 | 14811 15445 | 47 53 | 13 15 | 762 862 | 762 867 | 782 1018 | |
| 8 | Gwe <i>Spondias pinnata</i> | 330 | 5.6 | 2.1 | 8.7 | saturated 12% | 27 43 | 5619 7598 | 14 23 | 2 3 | 86 135 | 81 131 | 144 244 | |
| 9 | Gyo <i>Schleichera oleosa</i> | 1157 | 10.8 | 5.0 | 15.9 | saturated 12% | 118 145 | 17024 19713 | 50 73 | 17 27 | 1303 1895 | 1296 2024 | 1296 1809 | |
| 10 | Hmyaseik <i>Antiaris toxicaria</i> | 394 | 5.3 | 2.7 | 8.7 | saturated 12% | 23 41 | 4899 6461 | 14 28 | 2 4 | 86 160 | 85 139 | 144 281 | |
| 11 | Hnaw <i>Adina cordifolia</i> | 713 | 6.5 | 3.6 | 9.9 | saturated 12% | 75 105 | 10267 13514 | 32 61 | 10 16 | 487 725 | 470 730 | 560 949 | |
| 12 | Kokko <i>Albizia lebbek</i> | 633 | 6.0 | 3.0 | 8.6 | saturated 12% | 71 99 | 10177 12135 | 33 51 | 8 12 | 433 525 | 397 529 | 498 702 | |
| 13 | Kuthan <i>Hymenodictyon excelsum</i> | 479 | 6.1 | 3.2 | 9.7 | saturated 12% | 46 74 | 9749 10570 | 22 39 | 4 7 | 127 259 | 115 250 | 210 336 | |
| 14 | Kyetyo <i>Vitex peduncularis</i> | 918 | 9.2 | 4.9 | 12.7 | saturated 12% | 100 172 | 14417 17175 | 41 84 | 17 25 | 781 1282 | 792 1307 | 840 1572 | |
| 15 | Lein <i>Terminalia pyrifolia</i> | 793 | 9.2 | 5.9 | 16.0 | saturated 12% | 72 129 | 14583 19203 | 30 50 | 6 11 | 377 624 | 361 611 | 463 825 | |
| 16 | Letpan <i>Salmalia malabarica</i> | 304 | 4.9 | 2.1 | 7.9 | saturated 12% | 34 39 | 5516 5970 | 15 21 | 3 4 | 111 142 | 111 134 | 175 239 | |
| 17 | Leza <i>Lagerstroemia tomentosa</i> | 702 | 7.6 | 4.9 | 12.4 | saturated 12% | 69 108 | 11853 13611 | 30 50 | 8 13 | 403 565 | 377 556 | 522 709 | |
| 18 | Ma-u-lettan-she <i>Anthocephalus cadamba</i> | 524 | 8.0 | 3.8 | 11.9 | saturated 12% | 57 96 | 10853 14583 | 24 51 | 5 10 | 223 325 | 216 319 | 345 549 | |
| 19 | Myaukchaw <i>Homalium tomentosum</i> | 950 | 10.7 | 5.6 | 14.9 | saturated 12% | 94 130 | 14224 16693 | 43 51 | 15 27 | 820 1100 | 779 1038 | 898 1145 | |
| 20 | Myaukngo <i>Duabanga grandiflora</i> | 546 | 5.1 | 3.2 | 8.7 | saturated 12% | 43 66 | 7185 9798 | 24 40 | 5 8 | 241 295 | 235 278 | 318 315 | |
| 21 | Myauk-thwe-gyi <i>Myristica spp</i> | 407 | 7.0 | 4.0 | 11.5 | saturated 12% | 24 41 | 7081 8557 | 12 26 | 2 5 | 99 164 | 97 153 | 140 287 | |
| 22 | Myauk-thwe-the <i>Myristica angustifolia</i> | 655 | 8.4 | 4.3 | 11.5 | saturated 12% | 62 77 | 11246 12542 | 29 42 | 6 10 | 284 413 | 302 356 | 390 629 | |
| 23 | Nabe <i>Lannea coromandelica</i> | 787 | 6.0 | 3.5 | 8.3 | saturated 12% | 72 114 | 11163 13121 | 32 58 | 13 17 | 545 690 | 516 656 | 573 840 | |
| 24 | Panga <i>Terminalia chebula</i> | 960 | 11.0 | 5.4 | 15.6 | saturated 12% | 106 155 | 16989 20754 | 47 67 | 16 22 | 967 1495 | 940 1475 | 981 1602 | |
| 25 | Petthan <i>Haplophragma adenophyllum</i> | 897 | 7.5 | 4.4 | 12.1 | saturated 12% | 106 129 | 15369 15790 | 45 57 | 16 18 | 972 1087 | 963 1061 | 994 1213 | |
| 26 | Pyaukseik <i>Holoptelea integrifolia</i> | 686 | 8.5 | 3.8 | 12.9 | saturated 12% | 77 105 | 10563 12947 | 37 46 | 8 11 | 420 545 | 430 526 | 549 818 | |
| 27 | Pyinma <i>Lagerstroemia speciosa</i> | 630 | 7.4 | 3.1 | 11.1 | saturated 12% | 59 86 | 9777 10046 | 27 43 | 4 11 | 376 458 | 401 458 | 459 657 | |

PHYSICAL AND MECHANICAL PROPERTIES

| SPECIES | | PHYSICAL PROPERTIES | | | | STATE | MECHANICAL PROPERTIES | | | | | | | |
|---------|---|---------------------|------------|--------|------------|------------------|------------------------------|---------------------------------|--|---|-------------|-------------|-------------|--|
| | | AIR DRY DENSITY | SHRINKAGE | | | | Modulus of rupture MOR | STATIC BENDING | | COMPRESSION | | HARDNESS | | |
| | | | Tangential | Radial | Volumetric | | | Modulus of elasticity MOE | Parallel to the grain (Maximum compression) | Perpendicular to the grain (stress at proportional limit) | Radial | Tangential | End | |
| | | Kgm ⁻³ | % | % | % | | Nmm ⁻² | Nmm ⁻² | Nmm ⁻² | Nmm ⁻² | Kg | Kg | Kg | |
| 28 | Seikchi <i>Bridelia retusa</i> | 678 | 5.9 | 2.2 | 6.5 | saturated 12% | 63 92 | 10129 11646 | 28 43 | 12 15 | 466 574 | 443 514 | 448 681 | |
| 29 | Shaw <i>Sterculia versicolor</i> | 412 | 5.9 | 1.9 | 7.2 | saturated 12% | 30 53 | 4930 7211 | 13 29 | 2 5 | 132 147 | 143 130 | 141 245 | |
| 30 | Sit <i>Albizia procera</i> | 845 | 5.5 | 2.8 | 7.8 | saturated 12% | 96 140 | 14859 17533 | 43 76 | 14 18 | 715 872 | 731 842 | 742 1096 | |
| 31 | Taukkyan <i>Terminalia tomentosa</i> | 992 | 8.4 | 5.7 | 13.8 | saturated 12% | 84 120 | 14238 17955 | 36 54 | 14 16 | 856 1295 | 822 1251 | 788 1359 | |
| 32 | Taung-meok <i>Alstonia scholaris</i> | 462 | 5.5 | 3.5 | 10.2 | saturated 12% | 40 62 | 8067 9563 | 18 32 | 4 7 | 147 217 | 134 196 | 223 334 | |
| 33 | Taung-okshit <i>Elaeocarpus spp.</i> | 829 | 8.1 | 3.0 | 11.6 | saturated 12% | 89 115 | 15748 17660 | 42 52 | 9 14 | 529 743 | 504 677 | 613 913 | |
| 34 | Taung-peinne <i>Artocarpus chaplasha</i> | 506 | 4.3 | 1.8 | 6.6 | saturated 12% | 56 50 | 7143 7026 | 26 37 | 7 8 | 330 305 | 310 272 | 400 422 | |
| 35 | Taung-petwun <i>Pterospermum acerifolium</i> | 577 | 6.7 | 3.8 | 10.4 | saturated 12% | 63 93 | 10915 12239 | 30 44 | 6 10 | 292 388 | 286 356 | 370 559 | |
| 36 | Taung-thayet <i>Swintonia floribunda</i> | 655 | 5.9 | 2.7 | 7.9 | saturated 12% | 52 82 | 9357 14307 | 25 42 | 4 9 | 258 393 | 248 360 | 321 557 | |
| 37 | Taw-thayet <i>Mangifera spp.</i> | 780 | 5.6 | 3.6 | 8.3 | saturated 12% | 55 82 | 9728 11328 | 26 41 | 6 12 | 321 548 | 295 531 | 435 772 | |
| 38 | Thabye <i>Eugenia spp.</i> | 819 | 9.3 | 4.3 | 13.7 | saturated 12% | 72 110 | 12639 15362 | 32 56 | 9 13 | 508 696 | 487 677 | 556 886 | |
| 39 | Thadi <i>Protium serratum</i> | 856 | 10.2 | 5.8 | 15.6 | saturated 12% | 63 104 | 9860 11072 | 32 55 | 12 18 | 562 726 | 538 703 | 595 806 | |
| 40 | Thande <i>Stereospermum personatum</i> | 875 | 8.4 | 4.8 | 12.5 | saturated 12% | 93 131 | 13321 14939 | 39 59 | 10 12 | 547 699 | 522 681 | 574 872 | |
| 41 | Thapan <i>Ficus spp.</i> | 405 | 6.7 | 2.7 | 8.5 | saturated 12% | 37 53 | 5943 7053 | 19 31 | 3 4 | 186 197 | 184 205 | 238 352 | |
| 42 | Thingadu <i>Parashorea stellata</i> | 671 | 7.4 | 3.8 | 13.1 | saturated 12% | 62 79 | 10908 11894 | 28 42 | 6 9 | 317 363 | 313 348 | 345 342 | |
| 43 | Thitkado <i>Cedrela toona</i> | 479 | 6.4 | 3.1 | 9.2 | saturated 12% | 47 60 | 7226 8164 | 21 29 | 4 6 | 208 261 | 196 228 | 278 400 | |
| 44 | Thit-magyi <i>Albizia odoratissima</i> | 949 | 6.3 | 2.9 | 9.4 | saturated 12% | 117 139 | 17341 17934 | 53 65 | 14 16 | 880 972 | 863 935 | 928 1042 | |
| 45 | Thit-pagan <i>Millettia brandisiana</i> | 574 | 14.5 | 6.7 | 23.0 | saturated 12% | 14 42 | 2503 6750 | 7 25 | 1 3 | 79 227 | 68 224 | 96 338 | |
| 46 | Thit-payaung <i>Nauclea sessilifolia</i> | 907 | 15.3 | 6.6 | 19.6 | saturated 12% | 76 150 | 10391 16693 | 32 75 | 13 24 | 586 1300 | 581 1281 | 612 1477 | |
| 47 | Thit-sein <i>Terminalia bellerica Roxb.</i> | 883 | 9.7 | 6.4 | 15.7 | saturated 12% | 75 109 | 12508 17815 | 34 49 | 9 13 | 531 751 | 499 776 | 545 1004 | |
| 48 | Thit-swele <i>Schrebera swietenoides</i> | 840 | 7.1 | 4.5 | 10.9 | saturated 12% | 101 105 | 12845 14497 | 42 47 | 15 18 | 867 1048 | 844 1036 | 844 1217 | |
| 49 | Yemane <i>Gmelina arborea</i> | 551 | 5.5 | 3.0 | 8.2 | saturated 12% | 59 70 | 10459 10136 | 26 37 | 8 7 | 359 261 | 330 242 | 351 270 | |
| 50 | Yindaik <i>Dalbergia cultrata</i> | 982 | 10.1 | 6.2 | 16.8 | saturated 12% | 92 172 | 13615 19003 | 38 75 | 12 24 | 744 1533 | 703 1489 | 784 1642 | |
| 51 | Yinma <i>Chukrasia tabularis</i> | 946 | 9.7 | 5.2 | 13.1 | saturated 12% | 99 126 | 12825 15748 | 40 56 | 13 22 | 799 838 | 822 878 | 815 1173 | |
| 52 | Yinzat <i>Dalbergia fusca</i> | 853 | 9.7 | 4.2 | 13.5 | saturated 12% | 94 122 | 14521 16934 | 41 50 | 11 14 | 756 789 | 732 757 | 757 977 | |
| 53 | Yon <i>Anogeissus acuminata</i> | 926 | 9.4 | 5.4 | 13.6 | saturated 12% | 89 163 | 13204 17844 | 39 71 | 12 25 | 673 1175 | 631 1183 | 735 1347 | |
| 54 | Zaungbale <i>Lagerstroemia villosa</i> | 721 | 7.1 | 4.7 | 12.9 | saturated 12% | 67 102 | 11453 13349 | 31 44 | 7 12 | 365 583 | 345 569 | 469 813 | |

Classification Chart for Strength Group

| No. | Species | Botanical Name | Strength Group | | | | |
|-----|-----------------|--|----------------|---|---|---|---|
| | | | A | B | C | D | E |
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | | | | | ■ |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | | | | ■ | |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | | | | | ■ |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | | | | ■ | |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | | | | | ■ |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | | | | ■ | |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | ■ | | | | |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | | | | | ■ |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | ■ | | | | |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | | | | | ■ |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | | | ■ | | |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | | | ■ | | |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | | | | | ■ |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | | ■ | | | |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | | | ■ | | |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | | | | | ■ |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | | | ■ | | |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | | | | ■ | |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | | ■ | | | |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | | | | | ■ |
| 21 | Myauk-thwe-gyi | <i>Myristica</i> spp. | | | | | ■ |
| 22 | Myauk-thwe-the | <i>Myristica angustifolia</i> Roxb. | | | ■ | | |
| 23 | Nabe | <i>Lanea coromandelica</i> (Houtt.) Merr. | | | ■ | | |
| 24 | Panga | <i>Terminalia chebula</i> Retz. | ■ | | | | |
| 25 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | ■ | | | | |
| 26 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | | | ■ | | |
| 27 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | | | | ■ | |
| 28 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | | | ■ | | |
| 29 | Shaw | <i>Sterculia versicolor</i> Wall. | | | | | ■ |
| 30 | Sit | <i>Albizzia procera</i> Benth. | | ■ | | | |

Classification Chart for Strength Group

| No. | Species | Botanical Name | Strength Group | | | | |
|-----|--------------|---|----------------|---|---|---|---|
| | | | A | B | C | D | E |
| 31 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | | | ■ | | |
| 32 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | | | | | ■ |
| 33 | Taung-okshit | <i>Elaeocarpus</i> spp. | | ■ | | | |
| 34 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | | | | ■ | |
| 35 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | | | ■ | | |
| 36 | Taung thayet | <i>Swintonia floribunda</i> Griff. | | | | ■ | |
| 37 | Taw-thayet | <i>Mangifera</i> spp. | | | | ■ | |
| 38 | Thabye | <i>Eugenia</i> spp. | | | ■ | | |
| 39 | Thadi | <i>Protium serratum</i> Engler. | | | ■ | | |
| 40 | Thande | <i>Stereospermum personatum</i> Chatt. | | ■ | | | |
| 41 | Thapan | <i>Ficus</i> spp. | | | | | ■ |
| 42 | Thingadu | <i>Parashorea stellata</i> Kz. | | | ■ | | |
| 43 | Thitkado | <i>Cedrela toona</i> Roxb. | | | | | ■ |
| 44 | Thit-magyi | <i>Albizzia odoratissima</i> (L.f.) Benth. | ■ | | | | |
| 45 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | | | | | ■ |
| 46 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | | | ■ | | |
| 47 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | | | ■ | | |
| 48 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | | ■ | | | |
| 49 | Yemane | <i>Gmelina arborea</i> Roxb. | | | | ■ | |
| 50 | Yindaik | <i>Dalbergia cultrata</i> Grah. | | ■ | | | |
| 51 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | | ■ | | | |
| 52 | Yinzat | <i>Dalbergia fusca</i> Pierre. | | ■ | | | |
| 53 | Yon | <i>Anogeissus acuminata</i> Wall. | | ■ | | | |
| 54 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | | | ■ | | |

Classification Chart for Durability

| No. | Species | Botanical Name | Very durable | Durable | Moderately durable | Non-durable | Perishable |
|-----|-----------------|--|--------------|---------|--------------------|-------------|------------|
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | | | | ■ | |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | | | ■ | | |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | | | | ■ | |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | | | ■ | | |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | | | | ■ | |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | | | | ■ | |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | ■ | | | | |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | | | | | ■ |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | ■ | | | | |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | | | | | ■ |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | | | ■ | | |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | | | ■ | | |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | | | | ■ | |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | | ■ | | | |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | | | ■ | | |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | | | | | ■ |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | | | ■ | | |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | | | | ■ | |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | | ■ | | | |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | | | | ■ | |
| 21 | Myauk-thwe-gyi | <i>Myristica</i> spp. | | | | | ■ |
| 22 | Myauk-thwe-the | <i>Myristica angustifolia</i> Roxb. | | | | | ■ |
| 23 | Nabe | <i>Lannea coromandelica</i> (Houtt.) Merr. | | | | ■ | |
| 24 | Panga | <i>Terminalia chebula</i> Retz. | | ■ | | | |
| 25 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | | ■ | | | |
| 26 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | | | ■ | | |
| 27 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | | ■ | | | |
| 28 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | | | ■ | | |

Classification Chart for Durability

| No. | Species | Botanical Name | | | | | |
|-----|--------------|---|--------------|---------|--------------------|-------------|------------|
| | | | Very durable | Durable | Moderately durable | Non-durable | Perishable |
| 29 | Shaw | <i>Sterculia versicolor</i> Wall. | | | | | ■ |
| 30 | Sit | <i>Albizzia procera</i> Benth. | | ■ | | | |
| 31 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | | ■ | | | |
| 32 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | | | | ■ | |
| 33 | Taung-okshit | <i>Elaeocarpus</i> spp. | | ■ | | | |
| 34 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | | ■ | | | |
| 35 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | | ■ | | | |
| 36 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | | | | ■ | |
| 37 | Taw-thayet | <i>Mangifera</i> spp. | | | ■ | | |
| 38 | Thabye | <i>Eugenia</i> spp. | | ■ | | | |
| 39 | Thadi | <i>Protium serratum</i> Engler. | | ■ | | | |
| 40 | Thande | <i>Stereospermum personatum</i> Chatt. | | | ■ | | |
| 41 | Thapan | <i>Ficus</i> spp. | | | | | ■ |
| 42 | Thingadu | <i>Parashorea stellata</i> Kz. | | | ■ | | |
| 43 | Thitkado | <i>Cedrela toona</i> Roxb. | | ■ | | | |
| 44 | Thit-magyi | <i>Albizzia odoratissima</i> (L.f.) Benth. | | ■ | | | |
| 45 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | | | | | ■ |
| 46 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | | | ■ | | |
| 47 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | | | ■ | | |
| 48 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | | | ■ | | |
| 49 | Yemane | <i>Gmelina arborea</i> Roxb. | | ■ | | | |
| 50 | Yindaik | <i>Dalbergia cultrata</i> Grah. | | ■ | | | |
| 51 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | | ■ | | | |
| 52 | Yinzat | <i>Dalbergia fusca</i> Pierre. | | | ■ | | |
| 53 | Yon | <i>Anogeissus acuminata</i> Wall. | | | ■ | | |
| 54 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | | | ■ | | |

Classification Chart for Treatability

| No. | Species | Botanical Name | Very Easy | Easy | Average | Moderately Difficult | Difficult | Very Difficult |
|-----|-----------------|--|-----------|------|---------|----------------------|-----------|----------------|
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | ■ | | | | | |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | | ■ | | | | |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | | | | | ■ | |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | | | | ■ | | |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | | ■ | | | | |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | ■ | | | | | |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | | | | | ■ | |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | ■ | | | | | |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | | | | | ■ | |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | | ■ | | | | |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | | | ■ | | | |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | | | | | ■ | |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | ■ | | | | | |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | | | | | | ■ |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | | ■ | | | | |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | | ■ | | | | |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | | | | | ■ | |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | | ■ | | | | |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | | | ■ | | | |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | ■ | | | | | |
| 21 | Myauk-thwe-gyi | <i>Myristica</i> spp. | ■ | | | | | |
| 22 | Myauk-thwe-the | <i>Myristica angustifolia</i> Roxb. | ■ | | | | | |
| 23 | Nabe | <i>Lannea coromandelica</i> (Houtt.) Merr. | | | | ■ | | |
| 24 | Panga | <i>Terminalia chebula</i> Retz. | | | | | ■ | |
| 25 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | | | | | | ■ |
| 26 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | | ■ | | | | |
| 27 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | | | | | | ■ |

Classification Chart for Treatability

| No. | Species | Botanical Name | Very Easy | Easy | Average | Moderately Difficult | Difficult | Very Difficult |
|-----|--------------|---|-----------|------|---------|----------------------|-----------|----------------|
| 28 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | | | | | | ■ |
| 29 | Shaw | <i>Sterculia versicolor</i> Wall. | | ■ | | | | |
| 30 | Sit | <i>Albizzia procera</i> Benth. | | | | | ■ | |
| 31 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | | | | ■ | | |
| 32 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | ■ | | | | | |
| 33 | Taung-okshit | <i>Elaeocarpus</i> spp. | | | ■ | | | |
| 34 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | | | | | | ■ |
| 35 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | | | | ■ | | |
| 36 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | | | ■ | | | |
| 37 | Taw-thayet | <i>Mangifera</i> spp. | | ■ | | | | |
| 38 | Thabye | <i>Eugenia</i> spp. | | | | | | ■ |
| 39 | Thadi | <i>Protium serratum</i> Engler. | | | | | | ■ |
| 40 | Thande | <i>Stereospermum personatum</i> Chatt. | | | | | ■ | |
| 41 | Thapan | <i>Ficus</i> spp. | ■ | | | | | |
| 42 | Thingadu | <i>Parashorea stellata</i> Kz. | | | | | ■ | |
| 43 | Thitkado | <i>Cedrela toona</i> Roxb. | | | | | ■ | |
| 44 | Thit-magyi | <i>Albizzia odoratissima</i> (L.f.) Benth. | | | | | ■ | |
| 45 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | | ■ | | | | |
| 46 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | | | | | ■ | |
| 47 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | | | | ■ | | |
| 48 | Thit-swele | <i>Schrebera swietenioides</i> Roxb. | | | | ■ | | |
| 49 | Yemane | <i>Gmelina arborea</i> Roxb. | | | | | | ■ |
| 50 | Yindaik | <i>Dalbergia cultrata</i> Grah. | | ■ | | | | |
| 51 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | | | | | ■ | |
| 52 | Yinzat | <i>Dalbergia fusca</i> Pierre. | | ■ | | | | |
| 53 | Yon | <i>Anogeissus acuminata</i> Wall. | | | | | ■ | |
| 54 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | | | | ■ | | |

RECOMMENDED KILN SCHEDULES

SCHEDULE A

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 70 | 65 |
| 75 | 70 | 64 |
| 65 | 70 | 62 |
| 55 | 70 | 59 |
| 45 | 75 | 61 |
| 35 | 80 | 61 |
| 25 | 85 | 60 |
| 15 | 90 | 60 |

SCHEDULE B

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 60 | 56 |
| 60 | 60 | 55 |
| 50 | 65 | 57 |
| 40 | 70 | 58 |
| 30 | 75 | 57 |
| 20 | 80 | 55 |
| 15 | 85 | 55 |

SCHEDULE C

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 55 | 52 |
| 60 | 55 | 51 |
| 50 | 60 | 54 |
| 40 | 65 | 56 |
| 30 | 70 | 56 |
| 20 | 75 | 55 |
| 15 | 80 | 50 |

SCHEDULE D

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 50 | 47 |
| 45 | 50 | 46 |
| 40 | 50 | 44 |
| 35 | 55 | 47 |
| 30 | 60 | 49 |
| 25 | 65 | 49 |
| 20 | 70 | 48 |
| 15 | 75 | 45 |

SCHEDULE E

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 50 | 48 |
| 45 | 50 | 47 |
| 40 | 50 | 46 |
| 35 | 55 | 49 |
| 30 | 60 | 52 |
| 25 | 65 | 54 |
| 20 | 70 | 54 |
| 15 | 75 | 50 |

SCHEDULE F

| Moisture content (%) | Dry Bulb Temperature °C | Wet Bulb Temperature °C |
|----------------------|-------------------------|-------------------------|
| Green | 45 | 42 |
| 60 | 45 | 41 |
| 50 | 45 | 39 |
| 40 | 50 | 42 |
| 35 | 55 | 44 |
| 30 | 60 | 44 |
| 25 | 65 | 43 |
| 20 | 70 | 40 |

Classification Chart for Seasoning











| No. | Species | Botanical Name | Recommended Kiln Schedule | | | | | |
|-----|-----------------|--|---------------------------|---|---|---|---|---|
| | | | A | B | C | D | E | F |
| 1 | Baing | <i>Tetrameles nudiflora</i> R. Br. | | ■ | | | | |
| 2 | Binga | <i>Mitragyna rotundifolia</i> (Roxb.) Ktze. | | | | ■ | | |
| 3 | Bonmeza | <i>Albizzia chinensis</i> (Osbeck.) Merr. | | ■ | | | | |
| 4 | Chinyok | <i>Garuga pinnata</i> Roxb. | | | | | | ■ |
| 5 | Didu | <i>Salmalia insignis</i> Schott. & Endl. | | | ■ | | | |
| 6 | Dwabok | <i>Kydia calycina</i> Roxb. | | ■ | | | | |
| 7 | Dwani | <i>Eriolaena candollei</i> Wall. | | ■ | | | | |
| 8 | Gwe | <i>Spondias pinnata</i> (L.) Kz. | | ■ | | | | |
| 9 | Gyo | <i>Schleichera oleosa</i> (Lour.) Merr. | | | | | ■ | |
| 10 | Hmyaseik | <i>Antiaris toxicaria</i> (Pers.) Lesch. | | | ■ | | | |
| 11 | Hnaw | <i>Adina cordifolia</i> Hk. f. | | | | | ■ | |
| 12 | Kokko | <i>Albizzia lebbek</i> Benth. | | ■ | | | | |
| 13 | Kuthan | <i>Hymenodictyon excelsum</i> Wall. | | | ■ | | | |
| 14 | Kyetyo | <i>Vitex peduncularis</i> Wall. | | | | ■ | | |
| 15 | Lein | <i>Terminalia pyrifolia</i> Kz. | | | ■ | | | |
| 16 | Letpan | <i>Salmalia malabarica</i> (DC.) Schott. & Endl. | | | ■ | | | |
| 17 | Leza | <i>Lagerstroemia tomentosa</i> Presl. | | | ■ | | | |
| 18 | Ma-u-lettan-she | <i>Anthocephalus cadamba</i> Miq. | | | ■ | | | |
| 19 | Myaukchaw | <i>Homalium tomentosum</i> Benth. | | | | ■ | | |
| 20 | Myaukngo | <i>Duabanga grandiflora</i> (Roxb.) Walp. | | | ■ | | | |
| 21 | Myauk-thwe-gyi | <i>Myristica</i> spp. | | ■ | | | | |
| 22 | Myauk-thwe-the | <i>Myristica angustifolia</i> Roxb. | | | | | ■ | |
| 23 | Nabe | <i>Lannea coromandelica</i> (Houtt.) Merr. | | | | ■ | | |
| 24 | Panga | <i>Terminalia chebula</i> Retz. | | | | ■ | | |
| 25 | Petthan | <i>Haplophragma adenophyllum</i> (Wall.) Dop. | | | ■ | | | |
| 26 | Pyaukseik | <i>Holoptelea integrifolia</i> Planch. | | | ■ | | | |
| 27 | Pyinma | <i>Lagerstroemia speciosa</i> (L.) Pers. | | ■ | | | | |
| 28 | Seikchi | <i>Bridelia retusa</i> (L.) Spreng. | | | | | ■ | |
| 29 | Shaw | <i>Sterculia versicolor</i> Wall. | | | ■ | | | |
| 30 | Sit | <i>Albizzia procera</i> Benth. | | | | ■ | | |

Classification Chart for Seasoning

| No. | Species | Botanical Name | Recommended Kiln Schedule | | | | | |
|-----|--------------|---|---------------------------|---|---|---|---|---|
| | | | A | B | C | D | E | F |
| 31 | Taukkyan | <i>Terminalia tomentosa</i> W. & A. | | | | ■ | | |
| 32 | Taung-meok | <i>Alstonia scholaris</i> (L.) R.Br. | | | ■ | | | |
| 33 | Taung-okshit | <i>Elaeocarpus</i> spp. | | | | | ■ | |
| 34 | Taung-peinne | <i>Artocarpus chaplasha</i> Roxb. | | | ■ | | | |
| 35 | Taung-petwun | <i>Pterospermum acerifolium</i> (L.) Willd. | | ■ | | | | |
| 36 | Taung-thayet | <i>Swintonia floribunda</i> Griff. | | ■ | | | | |
| 37 | Taw-thayet | <i>Mangifera</i> spp. | | ■ | | | | |
| 38 | Thabye | <i>Eugenia</i> spp. | | | | | ■ | |
| 39 | Thadi | <i>Protium serratum</i> Engler. | | | | ■ | | |
| 40 | Thande | <i>Stereospermum personatum</i> Chatt. | | | ■ | | | |
| 41 | Thapan | <i>Ficus</i> spp. | | | ■ | | | |
| 42 | Thingadu | <i>Parashorea stellata</i> Kz. | | | ■ | | | |
| 43 | Thitkado | <i>Cedrela toona</i> Roxb. | | ■ | | | | |
| 44 | Thit-magyi | <i>Albizzia odoratissima</i> (L.f.) Benth. | | ■ | | | | |
| 45 | Thit-pagan | <i>Millettia brandisiana</i> Kz. | | | | ■ | | |
| 46 | Thit-payaung | <i>Nauclea sessilifolia</i> Roxb. | | | ■ | | | |
| 47 | Thit-sein | <i>Terminalia bellerica</i> Roxb. | | | ■ | | | |
| 48 | Thit-swele | <i>Schrebera swietenoides</i> Roxb. | | | | ■ | | |
| 49 | Yemane | <i>Gmelina arborea</i> Roxb. | ■ | | | | | |
| 50 | Yindaik | <i>Dalbergia cultrata</i> Grah. | | ■ | | | | |
| 51 | Yinma | <i>Chukrasia tabularis</i> A. Juss. | | | | | | ■ |
| 52 | Yinzat | <i>Dalbergia fusca</i> Pierre. | | ■ | | | | |
| 53 | Yon | <i>Anogeissus acuminata</i> Wall. | | | | | ■ | |
| 54 | Zaungbale | <i>Lagerstroemia villosa</i> Wall. | | | | | ■ | |

MYANMAR LESSER USED TIMBER SPECIES

HEAVY HARDWOODS
ENDUSES

| No. | SPECIES | APPEARANCE | House building | | Furniture | | | Panelling, Interior finish | | | Flooring | | | Veneers, plywood | | Musical Instruments | | Carving | | Sleepers | | Door and window frames | | Turnery wood | | Agricultural implement | | Household appliances | | Tool handles | | Packing box, match box | | Toys | | Pencil wood | | | |
|-----|---|---|----------------|---|-----------|---|---|----------------------------|---|---|----------|---|---|------------------|---|---------------------|---|---------|---|----------|---|------------------------|---|--------------|---|------------------------|---|----------------------|---|--------------|---|------------------------|--|------|--|-------------|--|--|--|
| | | | U | D | U | D | U | U | P | U | U | D | U | U | D | U | U | D | U | U | U | U | U | U | U | U | U | U | U | U | U | U | | | | | | | |
| 1. | Dwani <i>Eriolaena candollei</i> |  | ● | | ● | | | ● | ● | | | | ● | | | | | | | | | | | | | ● | | | | | | | | | | | | | |
| 2. | Gyo <i>Schleichera oleosa</i> |  | ● | | | | | | | | | | | | | | | | | | ● | | | | | ● | | | ● | | | | | | | | | | |
| 3. | Kyetyo <i>Vitex peduncularis</i> |  | ● | | | | | | | | | | | | | | | | | | ● | | | | | ● | | | ● | | | | | | | | | | |
| 4. | Myaukchaw <i>Homalium tomentosum</i> |  | ● | | | | | | | | | | | ● | | | | | | | ● | ● | | | | | | | | | | | | | | | | | |
| 5. | Panga <i>Terminalia chebula</i> |  | ● | | | | | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| 6. | Petthan <i>Haplophragma adenophyllum</i> |  | ● | | ● | | | | | ● | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| 7. | Sit <i>Albizzia procera</i> |  | ● | | ● | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | | | | | |
| 8. | Taukkyan <i>Terminalia tomentosa</i> |  | ● | | ● | | | | ● | ● | | | | ● | | | | | | | ● | | | | | ● | | | ● | | | | | | | | | | |
| 9. | Taung-okshit <i>Elaeocarpus</i> spp. |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Thabye <i>Eugenia</i> spp. |  | ● | | | | | | ● | | | | | | | | | | | | | | | | | ● | | | | | | | | | | | | | |



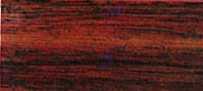







D = Decorative

U = Utility

P = Parquet

MYANMAR LESSER USED TIMBER SPECIES

HEAVY HARDWOODS
ENDUSES

| No. | SPECIES | APPEARANCE | House building | | Furniture | | Panelling, Interior finish | | Flooring | | Veneers, plywood | Musical Instruments | | Carving | | Sleepers | Door and window frames | | Turnery wood | Agricultural implement | Household appliances | Tool handles | Packing box, match box | Toys | Pencil wood |
|-----|---|---|----------------|---|-----------|---|----------------------------|---|----------|---|------------------|---------------------|---|---------|---|----------|------------------------|---|--------------|------------------------|----------------------|--------------|------------------------|------|-------------|
| | | | U | D | U | D | U | P | U | U | D | U | U | D | U | U | D | U | U | U | U | U | U | U | U |
| 11. | Thadi <i>Protium serratum</i> |  | ● | | ● | | | | ● | | | | | | | ● | | | | | | | | | |
| 12. | Thande <i>Stereospermum personatum</i> |  | ● | | | | | | | | | | | | | ● | | | | | | | | | |
| 13. | Thit-magyi <i>Albizia odoratissima</i> |  | ● | ● | ● | | ● | ● | | ● | | | | | | ● | | ● | | | | | | | |
| 14. | Thit-payaung <i>Nauclea sessilifolia</i> |  | | | | | | | | | | | | | | ● | | | | | | | | | |
| 15. | Thitsein <i>Terminalia bellerica</i> |  | ● | | | | | | | | | | | | | | | | ● | ● | ● | ● | | | |
| 16. | Thit-swele <i>Schrebera swietenoides</i> |  | ● | | | | | | | | | | | | | ● | | | | | | | | | |
| 17. | Yindaik <i>Dalbergia cultrata</i> |  | | ● | | | | | | | | | ● | | | ● | | | ● | | | | | | |
| 18. | Yinma <i>Chukrasia tabularis</i> |  | ● | | ● | ● | ● | | | ● | | | | | | ● | | ● | | | | | | | |
| 19. | Yinzat <i>Dalbergia fusca</i> |  | | | ● | | | | | | | | ● | | | ● | | | | | | | | | |
| 20. | Yon <i>Anogeissus acuminata</i> |  | ● | | | | | | | | | | | | | ● | | ● | | ● | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

D = Decorative

U = Utility

P = Parquet

MYANMAR LESSER USED TIMBER SPECIES

MEDIUM HARDWOODS
ENDUSES

| No. | SPECIES | APPEARANCE | House building | | Furniture | | Panelling, Interior finish | | Flooring | | Veneers, plywood | | Musical Instruments | | Carving | | Sleepers | | Door and window frames | | Turnery wood | | Agricultural implement | | Household appliances | | Tool handles | | Packing box, match box | | Toys | | Pencil wood | |
|-----|---|------------|----------------|---|-----------|---|----------------------------|---|----------|---|------------------|---|---------------------|---|---------|---|----------|---|------------------------|---|--------------|---|------------------------|---|----------------------|---|--------------|---|------------------------|---|------|---|-------------|--|
| | | | U | D | U | D | U | D | U | P | U | D | U | D | U | D | U | D | U | D | U | D | U | D | U | D | U | D | U | D | U | D | | |
| 21. | ဝိင်္ဂါ <i>Mitragyna rotundifolia</i> | | • | | • | • | | | | | | | | | | | | | • | | | • | | | | | • | | | | | | | |
| 22. | ချိနု <i>Garuga pinnata</i> | | • | | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | |
| 23. | ဟနု <i>Adina cordifolia</i> | | • | | • | | • | | | | • | | | | • | | | | | | | | | | | | | | | | | • | | |
| 24. | လှိုင် <i>Terminalia pyrifolia</i> | | • | | • | | | | | | | | | | | | | | | | | | | | | • | | | | | | | | |
| 25. | လှေ <i>Lagerstroemia tomentosa</i> | | • | | • | | • | • | | | | | | | | | | | • | | | | | | | | | | | | | | | |
| 26. | နာပေ <i>Lannea coromandelica</i> | | • | | | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | |
| 27. | ပျောက်ဆိုင် <i>Holoptelea integrifolia</i> | | • | | | | | | | | • | | | | | | | | | | | | | • | • | | | | | | | • | | |
| 28. | ဆိုင်ချိ <i>Bridelia retusa</i> | | | | | • | | | | | | | | | | | | | | | | | | • | | | • | | | | | | | |
| 29. | တေ-ထေ <i>Mangifera spp.</i> | | | | | | | | | | | • | | | | | | | | | | | | • | | | • | | | | | | | |
| 30. | တိုင်ဂဒူ <i>Parashorea stellata</i> | | • | | | | | | | | • | | | | | | | | | | | | | | | | | | | | | | | |
| 31. | ဆွေခဲ <i>Lagerstroemia villosa</i> | | • | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | |

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MYANMAR LESSER USED TIMBER SPECIES

LIGHT HARDWOODS
ENDUSES

| No. | SPECIES | APPEARANCE | House building | | Furniture | | Panelling, Interior finish | | Flooring | | Veneers, plywood | Musical Instruments | Carving | | Sleepers | Door and window frames | Turnery wood | Agricultural implement | Household appliances | Tool handles | Packing box, match box | Toys | Pencil wood |
|-----|---|------------|----------------|---|-----------|---|----------------------------|---|----------|---|------------------|---------------------|---------|---|----------|------------------------|--------------|------------------------|----------------------|--------------|------------------------|------|-------------|
| | | | U | D | U | D | U | U | P | U | U | D | U | U | U | D | U | U | U | U | U | U | U |
| 32. | Baing <i>Tetrameles nudiflora</i> | | | | | | | | | | | | | | | | | | | | | | |
| 33. | Bonmeza <i>Albizzia chinensis</i> | | | | | | | | | | | ● | | | | | ● | | ● | | | ● | |
| 34. | Didu <i>Salmalia insignis</i> | | | | | | | | | | | ● | | | | | | | | | | ● | ● |
| 35. | Dwabok <i>Kydia calycina</i> | | | | | | | | | | | | | | | | | | | | | ● | ● |
| 36. | Gwe <i>Spondias pinnata</i> | | | | | | | | | | | | | | | | | | | | | ● | ● |
| 37. | Hmyaseik <i>Antiaris toxicaria</i> | | | | | | | | | | | | | | | | | | | | | ● | ● |
| 38. | Kokko <i>Albizzia lebbek</i> | | ● | | ● | | ● | | | | | ● | ● | | | | | ● | ● | | | | |
| 39. | Kuthan <i>Hymenodictyon excelsum</i> | | | | ● | | ● | | | | | | | | | | | | | | | ● | ● |
| 40. | Letpan <i>Salmalia malabarica</i> | | | | ● | | | | | | | | | | | | | | | | | ● | ● |
| 41. | Ma-u-lettan-she <i>Anthocephalus cadamba</i> | | | | | | | | | | | | | | | | | | | | | ● | ● |
| 42. | Myaukngo <i>Duabanga grandiflora</i> | | | | | | ● | | | | | | | | | | | | | | | ● | |
| | | | | | | | | | | | | | | | | | | | | | | | |










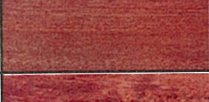


D = Decorative

U = Utility

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MYANMAR LESSER USED TIMBER SPECIES

LIGHT HARDWOODS
ENDUSES

| No. | SPECIES | APPEARANCE | House building | | Furniture | | Panelling, Interior finish | | | Flooring | | Veneers, plywood | | Musical Instruments | | Carving | | Sleepers | | Door and window frames | | Turnery wood | | Agricultural implement | | Household appliances | | Tool handles | | Packing box, match box | | Toys | | Pencil wood | | | | |
|-----|---|---|----------------|---|-----------|---|----------------------------|---|---|----------|---|------------------|---|---------------------|---|---------|---|----------|---|------------------------|---|--------------|---|------------------------|---|----------------------|---|--------------|---|------------------------|---|------|--|-------------|--|--|--|--|
| | | | U | D | U | D | U | U | P | U | U | D | U | U | U | D | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | | | | | | | |
| 43 | Myauk-thwe-gyi <i>Myristica</i> spp. |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Myauk-thwe-the <i>Myristica angustifolia</i> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Pyinma <i>Lagerstroemia speciosa</i> |  | • | | • | | • | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Shaw <i>Sterculia versicolor</i> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Taung-meok <i>Alstonia scholaris</i> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Taung-peinne <i>Artocarpus chaplasha</i> |  | • | | • | • | | | | | | | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | Taung-petwun <i>Pterospermum acerifolium</i> |  | | | | • | • | | | | | | • | | | | | | | | | | | | | • | | | | | | | | | | | | |
| 50 | Taung-thayet <i>Swintonia floribunda</i> |  | • | • | • | • | • | | | | | | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Thapan <i>Ficus</i> spp. |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Thitkado <i>Cedrela toona</i> |  | | | | • | | • | | | | | • | • | | | | | • | | • | | | | | | | | | | | | | | | | | |
| 53 | Thit-pagan <i>Millettia brandisiana</i> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Yemane <i>Gmelina arborea</i> |  | • | | • | | • | | | | | | • | | • | | | | | | • | | | | | | • | | | | | | | | | | | |

D = Decorative

U = Utility

P = Parquet

List of Members of the Project Steering Committee (PSC)

| | | | |
|----|----------------|--|-----------|
| 1. | U Aung Phone | Minister Ministry of Forestry | Chairman |
| 2. | Dr. Hwan Ok-Ma | Representative ITTO | Member |
| 3. | Dr. Kyaw Tint | Director-General Forest Department | Member |
| 4. | U Soe Tint | Director-General Planning and Statistics Department | Member |
| 5. | U Shwe Baw | Managing Director Myanma Timber Enterprise | Member |
| 6. | U Aung Kyin | Rector Institute of Forestry | Member |
| 7. | Director | Forest Research Institute | Secretary |

Appendix (xiii)

Advisor

1. U Win Kyi (1) Professor
Institute of Forestry
2. U Chit Hlaing Professor
Institute of Forestry

Consultants

1. Dr. A.M. Rashid Director
(Forest Research Institute of Malaysia)
2. Mr. K. P. Jayabhanu Technical Director
Andamans Timber Industries Limited, India
3. U Kyaw Lwin General Secretary
Myanmar Forest Products & Timber Merchants'
Association
4. U Zaw Win Director
Kayah Phoo Enterprises Limited

Secretariat

1. U Hlaing Min Maung Range Officer
Forest Research Institute
2. Daw Shwe Sin Myo Htut Secretary
ITTO

List of Members of the Project Coordinating Committee (PCC)

| | | | |
|----|--------------------------|--|-----------|
| 1. | Dr. Kyaw Tint | Director-General Forest Department | Chairman |
| 2. | U Kyi Maung | Director Forest Department | Member |
| 3. | U Than Swe | Director Planning and Statistics Department | Member |
| 4. | Deputy General Manager | Myanma Timber Enterprise | Member |
| 5. | Representative | Private Sector Wood-based Industry | Member |
| 6. | National Project Manager | Director Forest Research Institute | Secretary |

Appendix (xv)

List of Staff Members of the Project

Forest Research Institute, Forest Department

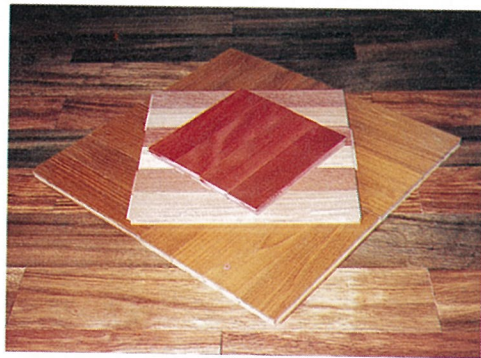
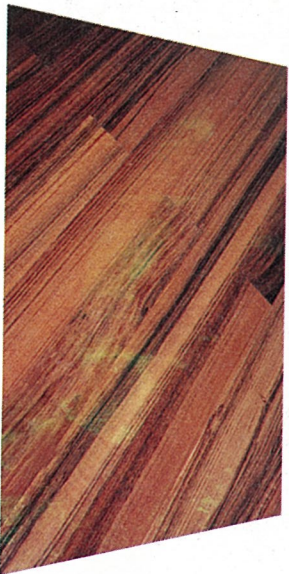
1. U Win Kyi Director
2. U Thein Kywe Deputy Director
3. U Khin Maung Lwin Assistant Director
4. U Min Lwin Assistant Director
5. Daw Yi Yi Han Staff Officer
6. U Aung Kyaw Range Officer
7. U Khin Maung Sint Range Officer
8. U Aung Soe Research Assistant
9. U Win Oo Naing Research Assistant
10. U Kyaw Win Maung Research Assistant
11. Daw Kyu Kyu Thin Research Assistant
12. Daw Cho Cho Win Research Assistant

Planning and Statistics Division, Forest Department

1. U Saw Win Deputy Director
2. U Myint Swe Assistant Director
3. Daw Tin Tin Pyone Assistant Director
4. U Tint Lwin Staff Officer
5. U Htay Win Range Officer
6. U Soe Tint Range Officer
7. U Kyin Kan Khan Range Officer
8. U Myint Thein Oo Range Officer
9. Daw Aye Than Computer Programmer

MEDIUM HARDWOODS





MEDIUM HARDWOODS



LIGHT HARDWOODS

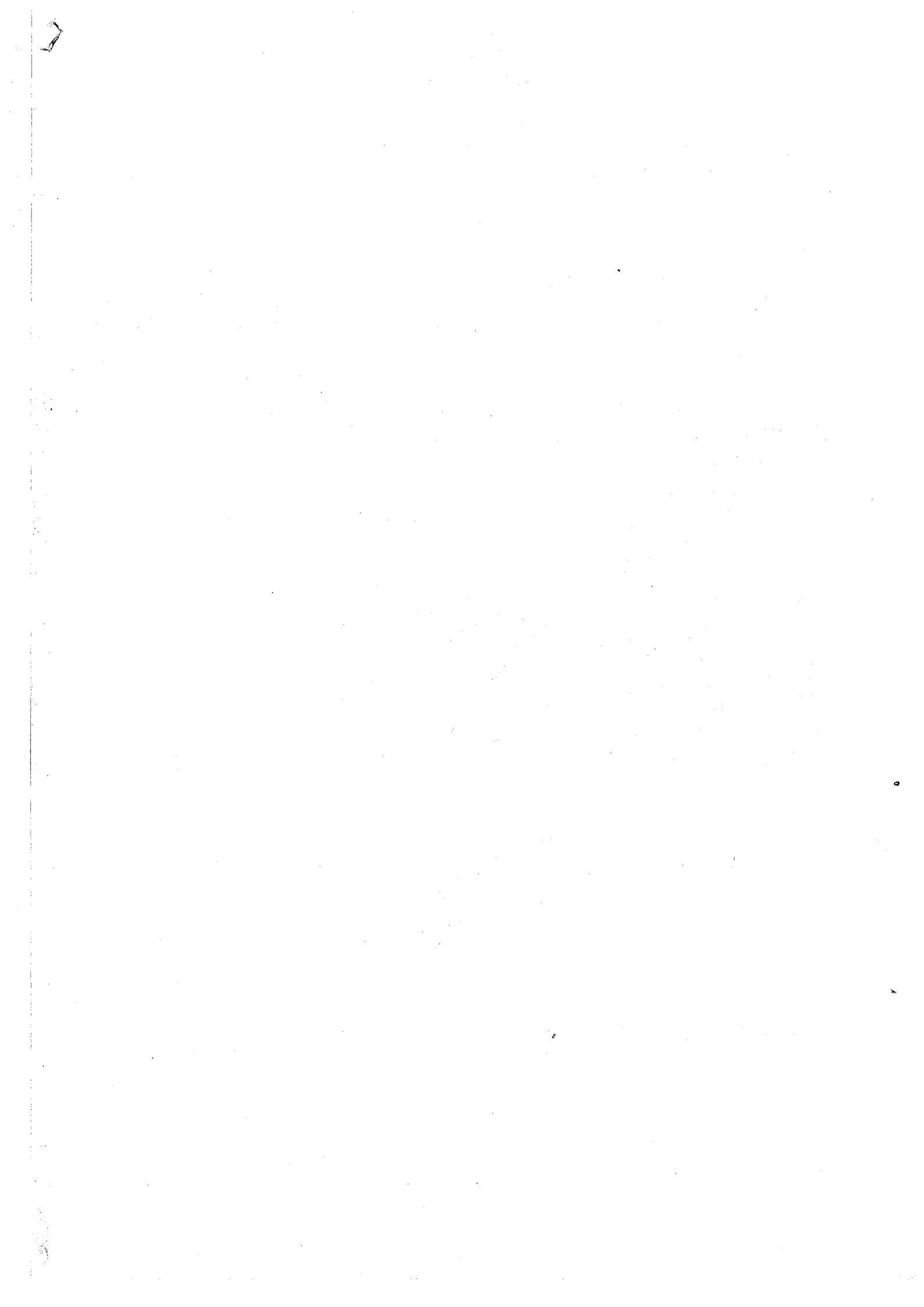


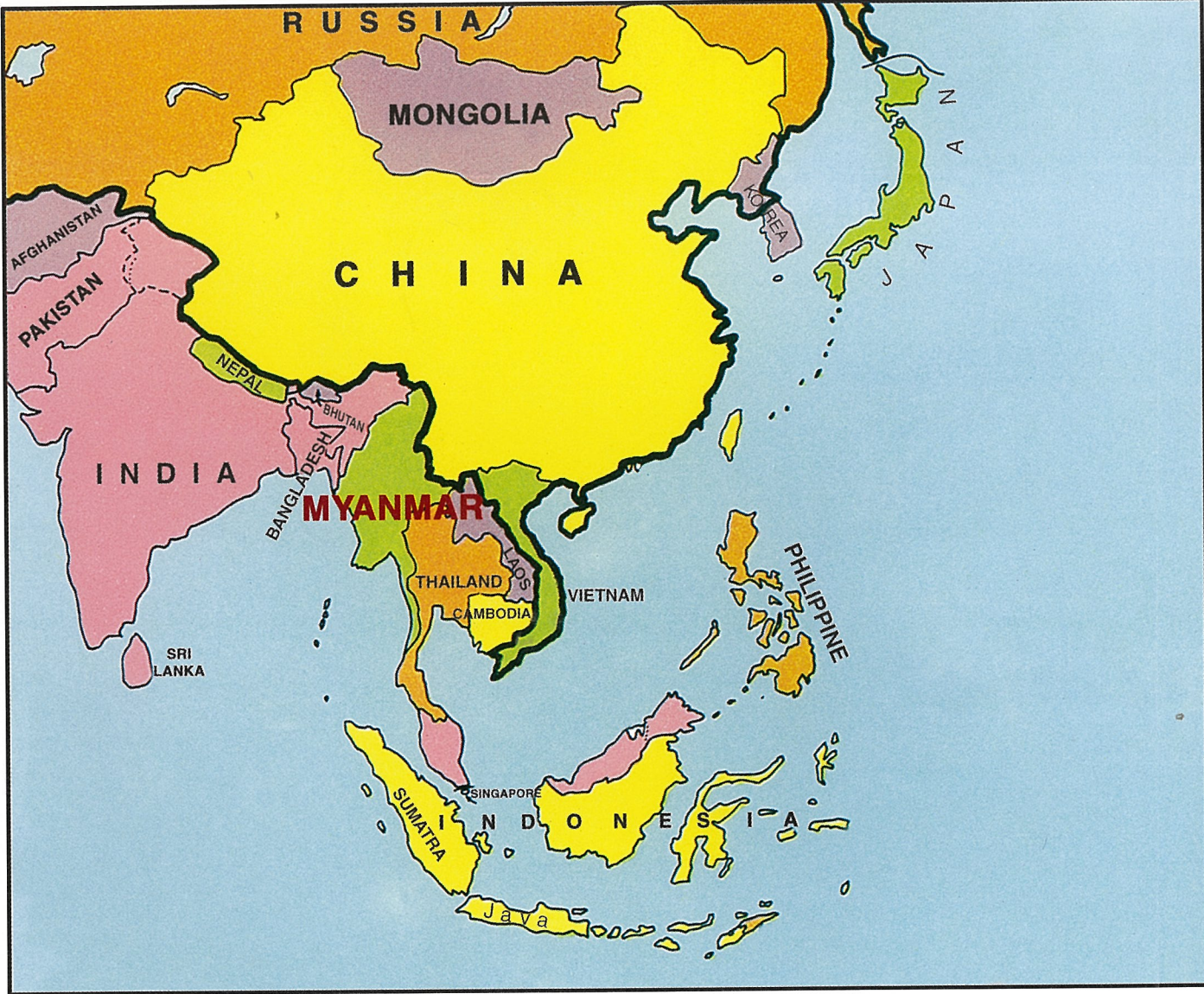
LIGHT HARDWOODS



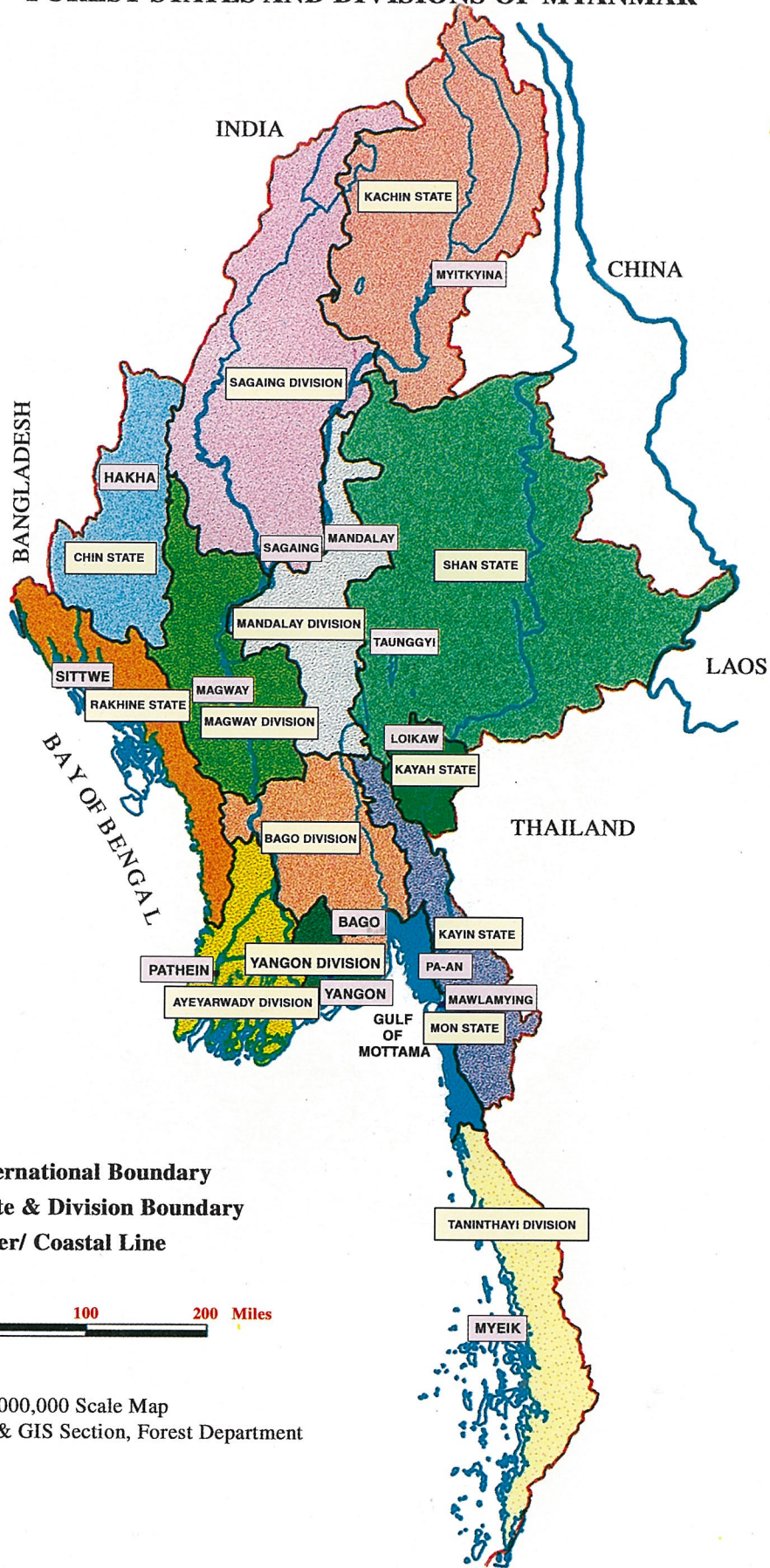
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FOREST STATES AND DIVISIONS OF MYANMAR



LEGEND

-  International Boundary
-  State & Division Boundary
-  River/ Coastal Line

100 0 100 200 Miles

Source:
Boundary - 1 : 1,000,000 Scale Map
Remote Sensing & GIS Section, Forest Department

