GOVERNMENT NOTICE NO. 461 published on 13/12/96

THE LOCAL GOVERNMENT FINANCES ACT, 1982

(NO. 9 OF 1982)

BY-LAWS

(Made under sections 7 and 13)

THE BARIADI DISTRICT COUNCIL (BICYCLE REGISTRATION FEES)(AMENDMENT) BY
LAWS, 1996

1. These By-laws may be cited as the Bariadi District Council (Bicycle Registration Fees) (Amendment) By-laws, 1996 and shall be read as one with Bariadi District Council (Bicycle Registration Fees) By-laws, 1992 (here in after referred to as the principal By-laws).

2. These By-laws shall be deemed to have come into force on the first day of January, 1996.

3. The principal By-laws is hereby amended by deleting By-laws number 4 and substituting therefor the following By-laws:—

> "4. There shall be charged a fee of shillings 500/- (five hundred to bicycle owned by any person resident in the area of jurisdiction of the Bariadi District Council. Any person liable to pay the fee but for whatever reasons has paid elsewhere less than the fee liable, shall have to pay the difference to the Council"

The Common Seal of the Bariadi District Council was here to affixed in persuance of a resolution passed at a meeting of the said council duly convened and held on the 28th day of December, 1995 and the same affixed in the presence of:—

L.S.

S. M. NYANZA,
Chairman

L. M. BUREMO,
District Executive Director,
Bariadi

I APPROVE

Dodoma,
29th July, 1996

HON. MUSSA S. K. NKHANGAA (MP.),
Minister of State,
Regional Administration and Local Government

THE FORESTS ORDINANCE

(CAP. 389)

ORDERS

Made under section 30 (1)(a)

THE FORESTS ORDERS, 1996

1. These Orders may be cited as the Forests Orders, 1996 and shall come into force on such date as the Minister may specify by notice published in the Gazette.

Interpretation
Cap. 389

2. The expressions used in these Orders shall, unless the context otherwise requires, have the meanings respectively assigned to them in section 2 of the Forests Ordinance (hereinafter referred to as "the Ordinance").

In these Orders unless otherwise the context requires- "Regional Forest Officer" means a Forest Officer authorised under this Order to be a regional coordinator within such region.

Personal Hammer Marks

3.—(1) The Director of Forestry and Beekeeping and every local government and urban authority employing senior forest officers shall provide such officers with a distinctive personal hammer mark.

(2) Such hammer mark, the gereral design of which is provided in the first Schedule to this Order, shall be registered with the Director of Forestry and Beekeeping.

(3) The senior forest officer shall be responsible for the proper use and safety of such personal hammer which, on the officer's retirement or at any point of time which he ceases to hold the office of senior forest officer, shall deposited forthwith with the Director of Forestry and Beekeeping for defacing and destruction.

(4) The senior forest officer shall be liable to such Forest disciplinary action as the employing authority deems fit for any unauthorised use or misuse of the personal hammer in his possession.

Marking of Forest Produce

4.—(1) Any local government (including village) and urban authority which disposes of trees and poles from a local government or urban authority forests shall, before such trees and poles are allowed to be felled, cause them to be marked with a distinctive mark for the identification of such tree and poles.

(2) Before any tree, timber, logs and poles, being the produce of trees and poles marked under paragraph (1) of this Order are allowed to be removed from the site. the local government or urban authority shall cause to be marked by a senior forest officer with a distinctive mark for the purpose of identifying such produce.

(3) For the purpose of this order any local government or urban authority which disposes of forest produce shall adopt a distinctive mark which shall differ from the registered Forest Division mark, shall conform to the general design depicted in the second schedule to this Order and shall notify the Director of Forestry and Beekeeping of the pattern of such mark which shall then be registered.

5.—(1) No forest produce being trees, timber, logs, poles, charcoal, firewood, gums, fibres, flosses, etc., shall be removed from any forest area or woodlots under the control of Forestry and Beekeeping Division, any local government or urban authority, or private owner, or from any other location except under the cover of a Transit Pass in the form prescribed in the third Schedule to this Order. *(margin)* Transit Pass for Forest Produce

(2) A Transit Pass shall be issued, after due ascertainment of the bona-fide and origin of the forest produce, to an applicant desirous of removing such forest produce, from the boundaries of any forest area or any other location mentioned in paragraph (1) of this Order, by a senior forest officer.

(3) All forest produce, for which a Transit Pass has been issued, shall be marked with the personal hammer mark of the senior forest office issuing the Transit Pass, a fascimile of which shall be reproduced on the body of all copies of such pass.

(4) The owner of any means of transport be it by road, rail, air or any waterway, shall not accept any forest produce for transportation unless the forest produce concerned is covered by a valid Transit Pass.

(5) Infringement of the provision contained in paragraph (1) and paragraph (4) of this Order shall constitute an offence under section 15 and 18 of the Ordinance and shall make the owner and transporter of such forest produce liable to a penalty under the Ordinance.

Provided that:—

(a) no Transit Pass shall be required when movement of charcoal, firewood, gums, fibres and flosses is restricted within the same administrative district; and

(b) hammer marks of the senior forest officer shall not be required for charcoal, firewood in headload, flosses and such other forest produce on which such mark cannot be indented.

6.—(1) Every person desirous of removing trees, timber, logs or poles, for which a Transit Pass is required under provisions of Order 5 paragraph (1), shall cause such trees, timber, logs and poles to be marked with his distinctive marked before making an application for Transit Pass to enable the establishment of the ownership of such produce. *(margin)* Property Hammer Mark

(2) This distinctive mark not being round in design which shall be called the "private property hammer mark", shall be registered with the Director of Forestry and Beekeeping or a person authorised by him.

Certificate of Registration of Forest Produce Trade

7.—(1) All persons who carry out trade or business relating to:

(a) trees, timber, logs and poles;

(b) all sawmill, chipboard and hard board manufacturing units owners; and

(c) all dealers of charcoal and firewood practising their business or trade from a fixed location, shall obtain a "Registration Certificate" in the form prescribed in the fourth Schedule to this Order from the Regional Forest Officer of the Region where they carry out business or trade, on payment of a fee prescribed in the fifth schedule to this Order.

(2) It will be incumbent upon the dealers and traders to obtain the prescribed "Registration Certificate" within thirty days from the date when these Orders come into force, and thereafter renew such certificate in the month of July of each subsequent year on payment of the prescribed annual fees.

(3) All registered dealers under this Order shall maintain stock books which shall be produced for verification when so demanded by a senior forest officer.

(4) Failure to comply with this Order shall constitute an offence under section 15 and 18 of the Forests Ordinance and shall make the dealer or trader liable to penal action under provisions of the said Ordinance.

Revocation of Government Notice Nos 508 and 509 of 1995

8. Item 3 of Government Notice No. 508 of 1995 relating to registration fees and item 5 of Government Notice No. 509 of 1995 relating to penalties are hereby revoked.

FIRST SCHEDULE

General Design of Personal Hammer Mark

(Order 3)
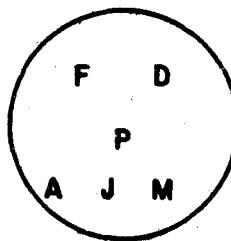
Note Alphabets used are the initials of the relevant senior forest officer.

SECOND SCHEDULE

General Design of Local government and Urban Authority Hammer Mark

(Order 4)

(a)   **(b)**
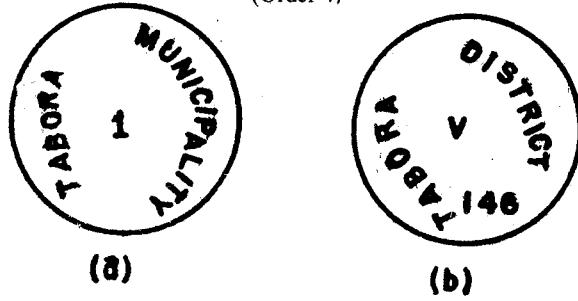
Note: ✚(a) The name of the Municipality or Urban Authority, together with a serial number shall be inscribed.

(b) For village Authorities, the name of the District together with the registration number of the village shall be inscribed.

THIRD SCHEDULE

TRANSIT PASS FOR FOREST PRODUCE

Office of the (seal).... ....Number.......:................Date ....

1. Mr/Ms (Name) ....

being the purchaser of (specify type of licence) .... for

the forest produce specified hereunder:

Description of Forest Produce	Species and size of individual logs/timber or poles	Quantity

is allowed to remove the aforestated produce from (name of forest area)..........................to (name of town/district)...

2. The forest produce bears/does not bear the personal hammer mark of (name).............Designation (Station) .... as indicated in A below.

3. The forest produce bears/does not bear the property hammer mark as indicated in B below.

A	B
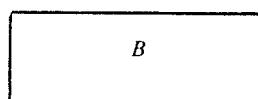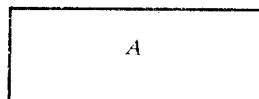
4. This transit pass along with the forest produce described above shall be presented for checking and verification at checkpoints (name of checkpoint) ....

5. Mode of transport allowed (Road/Rail/Water way/ Air).......................

6. This Transit Pass shall expire on (date)........................

....
Signature and Seal   Signature and Seal
of Issuing Officer   of Checkpoint
                                  Officer

....
(Date)   (Date)

FOURTH SCHEDULE

CERTIFICATE OF REGISTRATION

Office of the Regional Forest Officer (Region)........................

Messrs (Name)..

is carrying out business dealing with (Name of Forest Produce)........................

and located at (address) ....

is/are hereby Registered as forest produce dealer/trader under the provisions of Order 7 of these orders. This Certificate of Registration shall expire on the 30th June,......................(year)

Date ....
                                             Signature
                                             Regional Forest Officer

(APROVAL) Region..................................

....
Director of Forestry and Beekeeping

Registration Certificate No:.....................

Registration Fee of Shs...........................

Vide Exchequer Receipt No.........................

Date..

(See conditions overleaf)

Conditions:

1. The holder of this Certificate shall maintain a daily register of stock separately for the forest produce concerned.

2. The register shall be produced when demanded before any Senior Forest Officer.

3. This certificate of registration shall be valid for one calendar year (within 1st January to 31st December).

FIFTH SCHEDULE

The registration fees for Forest Produce Dealers/Traders shall be as elaborated below:

Category of dealer/trader	Annual Registration Fees (shs)
1. Trees, timber, logs and poles	100,000.00
2. Sawmill, Chipboard, and Hardboard manufacturing unit	200,000.00
3. Charcoal, Firewood	50,000.00

NB: These fees may be reviewed annually.

Dar es Salaam,
5th December; 1996

JUMA A. NGASONGWA (MP.),
Minister for Natural
Resources and Tourism

GOVERNMENT NOTICE No. 463 published on 13/12/96

THE FORESTS ORDINANCE

(CAP. 389)

RULES

Made under section 30

THE FORESTS (AMENDMENT) RULES, 1996

1. This Order may be cited as the Forests (Amendment) Rules, 1996 and shall be read as one with the Forest Rules 1959 (herein after referred to as the Principal Rules) and shall be deemed to have come into operation on the 1st day of December, 1996.

2. The Principal Rules are hereby amended by deleting the second and third schedules thereto, and substituting therefore, the following new schedules:—

SECOND SCHEDULE

RULE 5

PART I

CLASSIFICATION OF TREE SPECIES (LOGS) FROM NON-FOREST PLANTATIONS

Class	Botanical Name	Trade and Vernacular
Class IA	Dalbergia melanoxylon	E.A. Blackwood, mpingo mugembe
	Diospyros ebenum/mespiliformis	Ebony, mgiriti, msindi mnumbuiu mkulvi
	Combretum schumanii	mpera mwitu, mguruwe, mkwaya
Class IB	Adina microcephala	Adina mgusia, mdogowe, mgwina.
	Afzelia quenzensi	Afzelia, mkora, mkongo mafu, mfu mbambakofi
	Beilschimeidia kweo	Mfimbo, mkweo, mkanta
	Cephalosphaera usambarensis	Mtambara, mtambaa.
	Entandophragma all spp.	Mric, mongo, muwumbu mbokeboko, mkalikali
	Milecea excelsa	Mvule, mkongola, Iroko
	Pterocarpus angolensis	Mninga
	Pterocarpus all species	Mkula, mngubi mtumbati-mtoni, mkurungu
	Millettia Stuhmanii	Pangapanga.
	Brachylaena hutchinsii	Muhuhu, mhungwe, mkarambati.
	Olea Welwitschii	Loliondo, mchiyo, mshisho.
	Olea africana	Brown olive, alorien mzira.
	Olea hotchistetteri	E.A. Olive, ngwe, mwalambo, mkimba-nkubwa, mtagala.
	Fagaropsis angolensis	Mtua, mkunguni mtongoti.
	Hagenia abyssinica	Hagenia, mwanga, luziluzi.
	Juniperus procera	Pencilreder, mtarakwa mwangati.
	Khaya nyasica	Mkangazi, mwawamiovu
	Markhemia all spp.	Mtalawanda.
	Newtonia paucijuga	Mshashita mdadauka
	Newtonia all spp.	Newtonia, mkufi mpunga.
	Ocotea usambarensis	Camphorwood, mkulo mserimuheti maasi
	Oxytenanthera abystinica	Mwanzi (Ulonzi).
	Parinari excelsa	Muhula, mtule msabula
	Podocarpus all spp.	Podo, mse, musisimu mtokosi
	Sandal wood (osyris santalium)	Msandali
	Syzyigium cummnii	Mzambarau (Mvengi)
	Swartzia madagascarensis	Paurosa, Kasanda, msekeseke
	Vitex kenvansis	Mfudo
Class IIA	Morrus lactea	E.A. mulberry, kumbu, mkuzafunta.
	Filcalhoa laurifolia	Filcalhoa, Isete, mkuta.
Class IIB	Albizzia glabrescene	Mfurangi.
	Albizzia versicolor	Mtanga, mvimbafura mukingu mdurasi
	Baphia kirkii	Baphia, mkuruti, mkaranga
	Brachystegia spiciformis	Mtundu
	Casipourea malosana	Pillar wood, ndiri, msadora
	Lovoa brownii	Nkoba (Uganda Walnut) msau, mukusu
	Lovea swynnertonii	Msau, Kilimanjaro mahogany

SECOND SCHEDULE—*(contd.)*

Class	Botanical Name	*Trade ana Vernacular*
Class III	Codyla Africana	Codyla, mroma mgwata
	Maesopsis eminii	Musizi, muhumula, musika
	Cordia abyssinica	Mukumari, mringaringa, msingati
	Albizzia gumnifera	Omurera, mshai, mboromo mhenge
	Albizzia anturesiana	Ngando, mvura msangala
	Erkebergia ruppeliana	Erkebegia, msisi Tiwe, msimbi, ol mikumo
	Erythrophleum guineense	Misanda, mwavi, mbaraka mkaran mkola
	Spirostachys Africana	Msaraka, muharaka
	Xymolos monospora	Mburumo, dimu, mkalikisumu, lemon wood
Class IV	Fauzea all spp.	Mifuka, msisi lisega
	Rapanea rhododendroides	Rapaena, mlimangombe mwasa, mshiwizo kidongashawa
	Pteleopsis myrtifolia	Mwindi, mnepa, mparu, mgofu makwenzi
	Bombax Rhodognaphalon	Msufi-mwitu, mfume
	Burkea Africana	Burkea, mkarati, mgando msangala
	Fagara amaniensis	Amani Satin wood, mfarakumbi, mfuakumbi
	Chrysophyllum spp.	Muhulu mgoma mberimberi mulembe-lembe
Class V	TREE SPECIES NOT LISTED IN THE PRECEEDING CLASSES.	

PART II

CLASSIFICATION OF TREE SPECIES (LOGS) FROM FOREST PLANTATION

A. Softwood plantation Species:—

Group	Botanical Name	Trade Names
I	Juniperus Procera	Pencil Ceder
II	(i) Pinus all species	Pines
	(ii) Cupresus all species	Cypress
III	Araucaria all species	Araucaria
IV	All other Coniferous species not listed above	Conifers

G.N. No. 463 (contd.)

SECOND SCHEDULE—*(contd.)*

B. Hardwood Plantation Species.

Group	Botanical Names	Trade Names
I	(i) Tectona grandis (ii) Cinamomum comphora	Teak, Mtiki, Msaji Japanese Camphor
II	(i) Terminalia All spp. (ii) Grevellia robusta (iii) Cedrela all species	Terminalia Grevillia Mwerezi
III	(i) Eucalyptus all spp. (ii) Senna siamea	Eucalyptus. Mkaratusi Senna siamea

THIRD SCHEDULE

(Rules 5, 6, 7 and 10)

FEES, LOG MEASUREMENTS AND QUALITY, LOG VOLUME TABLES AND TARIFF TABLES

PART A.

Fees payable on non-plantation forest produce and where the produce is cut and removed by the licensee:—

Item I Logs

Classes Set out in *Second Schedule*	*Fees per Cubic metre* *(True Measure Overbark)*

Part I

Class I A	60,000.00 Shs.
Class I B	25,000.00 Shs.
Class II A	20,000.00 Shs.
Class II B	15,000.00 Shs.
Class III	10,000.00 Shs.
Class IV	5,000.00 Shs.
Class V	3,000.00 Shs.

Item—2 Poles (non-Forest Plantation)

(a) Over 5cm but not more than 10 cm diameter at butt end .... Shs. 150.00 each
(b) Over 10cm but not more than 20cm diameter at butt end .... 200.00 each
Poles over 20 cm diameter at but end will be measured as logs and sold at the rates prescribed in Item I. Poles will be measured to a top diameter not more than 5cm ove bark.

(Item—3 Withies (Poles under 5 cm diameter at but end)

Shs. 200.00 per load of 30 withies.

THIRD SCHEDULE—*(contd.)*

Item—4 Firewood

Licence for firewood will be issued either by quantity or by time according to circumstances:—

(a) Quantity License

Shs. 1,000.00 per stacked cubic metre.

(b) Time License

To enter the forest reserve, remove one head load (28 kgs.) of dead fallen wood daily. Shs. 600.00 for a calendar month or part thereof.

Item—5 Charcoal

Fees for charcoal shall be charged for at the rate of Shs. 300.00 per bag, for which purpose a bag will be considered as 28 kg.

Item—6 Fibres

(a) Fees for Raffia
(Umondo) will be charged:

(i) Time License:
Shs.1,200.00 per calendar month or part thereof.

Alternatively

(ii) Quantity License:
Shs. 200.00 per 1,000 kg. or part thereof.

(b) Fibres other than Raffia

(i) Time license;
Shs. 1,000.00 per calendar month or part thereof.

(ii) Quantity license.
Shs. 1,500.00 per 1,000 kg. or part thereof.

Item—7 Tree Seeds and Plants:

(a) Tree Seeds:

Tree seeds will be sold according to the National Tree
issued by the National Tree Seed Centre, Morogoro .... seed catalogue

(b) (i) Seedling—(Non-Ornamental Plant)
1. In pots .... Shs. 100.00 per plant
2. Unpotted .... Shs. 50.00 per plant

(ii) Seedlings—(Ornamental and Fruit)

1. In pots .... Shs. 200.00 per plant
2. Unpotted .... Shs. 150.00 per plant

(c) Christmas Trees

Fees for Christmas Trees shall be Shs. 350 per running metre or part thereof. There shall be a 5% reduction of the price for buying 1,000 trees or more and 10% reduction of the price for buying 5,000 trees or more.

THIRD SCHEDULE—*(contd.)*

Item—8 Mangrove Produce

(a) Logs:

Includes all mangrove trees over 25 cm diameter overback at 1.3 metre above ground. The prescribed rates will be as in Item I class IIA for logs.

(b) Poles

Pole Class	Diameter Overback at 1.3 meter above ground	Rate per Score or prorata
Class I	Over 20 cm—30 cm	1,500.00 shs.
Class II	Over 15 cm—20 cm	1,000.00 shs.
Class III	Over 10 cm—15 cm	800.00 shs.
Class IV	Over 5 cm—10 cm	500.00 shs.
Class V	Not more than 4 cm	300.00 shs.

Item—9 Wattle Bark:

Shall be sold at:

Shs. 1,500.00 per stacked cubic metre.

This price will be in addition to the price of wood which shall be sold at the same time at the rate for firewood or poles.

Item—10 Bamboos

(a) Bamboo under 5 cm diameter at base.
Shs. 1,000.00 per cm. 20 or prorata.

(b) Bamboo with diameter over 5 cm and above at base Shs. 2,500 per 20 or prorata.

Item—11 Gum and Resins:

Rate Shs. 100.00 per kg.

Item—12 other Forest Product

To enter any forest and remove any other forest produce not listed in Part A or Part B shall be charged:

(a) Shs. 1,000.00 per calendar month for household use.

(b) For commercial purpose, the rates shall be decided upon in each case by the Director responsible for Forestry matters.

Item 13:

Fores Produce felled, Converted or collected by the Forest Division, when sold will be charged at ordinary royalty rate plus cost of felling, conversion and collection; plus 25%, of the none royalty rates, as supervision charge.

THIRD SCHEDULE—*(contd.)*

PART B

Fees payable on plantation forest produce where the produce is felled and removed by the licensee.

Item 1 (a) Group I

Juniperus procera: TShs. 8,000.00 per meter.

Item 1 (b) Group II

Softwoods (clearfelling rates) (Logs)

Diameter DBH (cm) Overbark	Fees per Cubic meter (volume derivered from Tariff Tables)
Less than 10 cm	to be sold as poles (item 3)
11 — 20 cm	1,500
21 — 25 cm	2,000
26 — 30 cm	2,600
31 — 35 cm	3,200
36 and above.	4,000

(c) Softwood (Thinning rates):

    (i) First Thinning rates as for item 1 (a) above with reduction of 30%
    (ii) Second thinning rates as for Item 1 (a) above with a reduction of 20%
    (iii) Third thinning rates as for Item 1 (a) above with a reduction of 10%.

Item—2

(a) *Hardwoods Clearfelling*

Group	Botanical Name	Diameter DBH CM) Overback	SHS/M³ True Measure Overback
I	Tectona grandis	Less than 10 cm	As poles
		10—20	5,000
		21—30	10,000
		31—35	15,000
		36—and above	25,000
II	Terminalia all species	Less than 10cm	As poles
	Grevillea robusta	10—20	3,000
	Gedrela all species	21—30	5,000
		31—35	8,000
		36 and above	10,000
III	Eucalyptus all species	Less than 10 cm	As poles
	Senna siamea	10—20	2,000
		21—30	2,500
		31—35	3,000
		36 and above	3,500
			4,000

THIRD SCHEDULE—*(contd.)*

(b) *Hardwood (thinning rates)*

(i) First Thinning as for item I (a) above with a reduction of 30%

(ii) Second thinning rates for Item I (a) above with a reduction of 28%

(iii) Third thinning rate as for Item I (a) above with a reduction of 10%

Item—3—Poles from Plantations

(i) Tectona grandis poles with a dbh less than 10 cm overback, Shs. 100/- per running metre.

(ii) Terminalia all species, cedrela all species and Grevillea robusta Shs. 85/- per running metre.

(iii) Eucalyptus all species and Senna siamea Shs. 75/- per running metre.

Item—4— withies from Plantations

Shs 200 per headload of not more than 50 withies.

Item—5—Firewood

Only quantity license will apply:

(i) Quantity license will apply:
Shs. 100 per stacked cubic meter.

(ii) Softwood plantation spp.
Shs. 500 per stacked cubic metre.

PART C

OTHER FEES

Item—1

License to establish and operate a Sawmill or any other commercial business in forest plantations and forest reserves:

(i) Capacity of up to 5,000 m³/year.
Shs. 100,000/- per sawmill unit for establishment and Shs. 50,000/- per year as operating fee.

(ii) Shs. 150,000/- per sawmill unit establishment fee and Shs. 75,000/- as operating fee per year.

(iii) Above 10,000/- m³/year

Shs. 200,000-per sawmill unit for establishment and Shs. 100,000/- as operation fee.per year.

(iv) Installation of telecommunication and mineral water extraction facilities Shs. 200,000/- as establishment fee and Shs. 100,000/- per year as forest reserve management fee.

(v) Piers and Landings in Forest Reserve Shs. 100,000/- per year.

(vi) To make solar saltpans in the mangrove forest reserve is Shs. 100,000/- as forest reserve management fees.

(vii) To operate a salt pan of 2.5 hectares or less in mangrove forest is Shs. 10,000/- per year and Shs. 3,000/- per article used to prepare salt by boiling in a month.

(viii) To undertake any other commercial business in a forest reserve Shs. 50,000/- per year per unit such as Kiosk, Shops, Hotels etc.

THIRD SCHEDULE—*(contd.)*

Item—2

Camping, film making, research and Orienteering in Forest Plantations and Forest Reserves:—

Shs. 2,500.00 per head per day.

Item—3

(i) Certification fees for grading of timber for export Shs. 20,000 per consignment—Commercial.

(ii) (a) Fees for grading timber and Forest Product designated as gift or for personal use which is exported outside the country: of value not exceeding USD 200 or Shs. 100,000/- Shs. 5,000/- per consignment.

(b) Export permit for gift or personal use consignments whose value are in excess of USD 200 or Shs. 100,000/- Shs. 10,000/- per consignment.

(iii) Forest products export certificate fee Shs. 20,000/- per consignment.

(iv) Export Certificate fees for Export of Timber Trade Samples not exceeding 0.1 m^3 or valued not more than Shs. 50,000 or USD 100 Shs. 5,000 per consignment.

Item—4

License to graze or cultivate:

Goats are prohibited to graze in the Forest Reserve:

(a) License to graze in forest reserve:

(i) Shs. 100 per head per month for cattle.

(ii) Shs. 50 per head per Month for sheep and mules.

(b) License to cultivate annual crop in a forest reserve Shs. 10,000.00 per ha., per season.

(c) Licence to reside in a forest reserve (e.g. sawmill workers) Shs. 3,000 per household per year.

(d) Management fee for extraction of mineral water, hydropower, large scale irrigations from Catchment Forests Shs. 100,000.00 per year.

Item—5

Fees for registration of forest produce dealers and	traders.
1. Trees, timber, logs and poles	100,000.00
2. Sawmill, Chipboard, Hardboard and Furniture mart/workshop	200,00.00
3. Charcoal and Firewood	50,000.00
4. Other Forest Products	20,000.00

PART D:

MEASUREMENT REQUIREMENTS

1. *Measurement:*

    Tree

    When sold at stump the cubic content shall be computed bu tariff tables from Breast height Diameter (1.3 m above ground level) shall be measured to the nearest 1 cm. of 0.5 cm or more being regarded as 1 cm.

THIRD SCHEDULE—*(contd.)*

2. *Diameter*

For indigenous species from natural forests the minimum felling girth limit are as in Administrative order number 1 of 1981 or any other administrative order which may be given there after by the Director of Forestry and Beekeeping. Refer Apendix 1.

3. Tree Volume Tables to be used in this Order shall be as shown in Appendix II. This shall be applicable only to natural forests.

4. Tariff tables to be used in this Order shall be as shown in Appendix III. This shall be applicable only to the plantation forests.

PART D

APPENDIX I

FELLING GIRTH FOR INDIGENOUS
SPECIES FROM NATURAL FORESTS

No.	Species Name	Trade Name	Girth (CM)	Diameter (DBH) (CM)
1		*2*	*3*	*4*
1.	Khaya nyasica	Mkangazi, African Mahogany	165 cm	55 cm
2.	Chlorophora excelsa (Milletia exelsa)	Mvule	165 cm	55 cm
3.	Antiaris usambarensis	Antiaris	165 cm	55 cm
4.	Morus hactea	East African Mulbery	165 cm	55 cm
5.	Bombax rhodognaphalon	East African Bombax Msufipori	165 cm	55 cm
6.	Afzelia quanzensis	Afzelia, Mkora	165 cm	55 cm
7.	Ocotea usambarensis	Ocotea, Camphor	165 cm	55 cm
8.	Cephalosphaera usambarensis	Mtambara	165 cm	55 cm
9.	Beilschimedia Kweo	Mkweo. Mfimbo	165 cm	55 cm
10.	Podocarpus all Spp.	Mpodo	180 cm	60 cm
11.	Olea welitchii	Loliondo	150 cm	50 cm
12.	Pterocarpus angolensis	Muninga	135 cm	45 cm
13.	Pterocarpus stolzii	Mtumbati mtoni	135 cm	45 cm
14.	Vitese all Spp.	Vitese, Mfundo	135 cm	45 cm
15.	Erythrophloem guinence	Msanda, Misanda	135 cm	45 cm
16.	Terminalia, all Spp.	Terminalia, musisi	135 cm	45 cm
17.	Ilese mitis	Ilex	135 cm	45 cm
18.	Fagaropsis angolensis	Mfu	135 cm	45 cm
19.	Albizia, all Spp.	Albizia	135 cm	45 cm
20.	Syzygium, all Spp.	Syzygium, Mzambarau	135 cm	45 cm
21.	Diospyros mespiliformis	African ebony	165 cm	55 cm
22.	Brachystegia speciformis	Mtundu, Mtondolo	120 cm	40 cm
23.	Julbernardia globiflora	Muva, Muyenze	120 cm	40 cm
24.	Brachyhaena hutchinsii	Muhuhu	75 cm	24 cm
25.	Hagenia abyssinica	Hagenia	75 cm	24 cm
26.	Swartizia madagascaresis	Pangapanga, Pau rose	75 cm	24 cm
27.	Dalbergia melanoxylon	Mpingo	45 cm	20 cm
28.	Adina microcephala	Mgwina	165 cm	55 cm
29.	Combretum schumanii	Mpera mwitu, mgeruwe	75 cm	54 cm

THIRD SCHEDULE—*(contd.)*

No.	Species Name	Trade Name	Girth (CM)	Diameter (DBH) (CM)
1		*2*	*3*	*4*
30.	Entandophragma all Spp.	Mrie mbokoboko	165 cm	55 cm
31:	Juniperous all Spp.	Pencil Cedar	75 cm	24 cm
32.	Markhamia all Spp.	Mtalawanda	150 cm	50 cm
33.	Newtonia pacrjuga	Mshashita, mdadalika	150 cm	50 cm
34.	Newtonia, all Spp.	Newtonia, mkufimpunga	150 cm	50 cm
35.	Parinari exelsa	Mubula, msaula	150 cm	50 cm
36.	Osyris santallum	Sandal wood, Msandali	75 cm	24 cm
37.	Baphia kirkii	Mkuruti	135 cm	45 cm
38.	Casipourea malosana	Pilla wood, Ndiri	165 cm	55 cm
39.	Maesopsis all Spp.	Musizi, Muhumula	165 cm	55 cm
40.	Lovoa all Spp.	Kilimanjari mahogany	165 cm	55 cm
41.	Codyla africana	uroma, Mgwata	150 cm	50 cm
42.	Burkea africana	Mkarati, Mgendo	150 cm	50 cm
43.	Fagara amaniensis	Amani satin wood	150 cm	50 cm
44.	Spirostachys africana	Msaraka	150 cm	50 cm

APPENDIX II

TREE VOLUME TABLES
(FOR USE IN NATURAL FORESTS ONLY)

I. The Tree Volume Tables (or Local Volume Tables) for indigenous trees have been reproduced from the report entitled, "*Indigenous Forest Inventory of Five Areas of the United Republic of Tanzania Volume 3, Indigenous Trees of Tanzania, Local Volume Tables*".

II. Although the Tree Volume Tables are based on inventory measurements made in Tabora, there are reasons to believe that they can be applied to the indigenous forests of Mwanza Region also. Before use, the dbh figures in Tables I and II shall be converted to dbh values.

III. EXAMPLES OF TABLE USE:
   A. *Table I—Gross Volumes in Cubic Metres*

Case 1.

When the D.B.H. of the subject tree is divisible by five, the gross volume corresponding to its D.B.H. can be read *directly*.

Example: A 65 centimetres Mninga *(Pterocarpus angoiensis)* from Tabora Block.

    Turn to Table I for Tabora; find the appropriate species column (001); follow the column down to D.B.H. 65; read the gross volume Result: 2.82 cubic metres.

Case 2.

When the D.B.H. of the subject tree is *not* divisible by five, but is between the limits given in the tables, the gross volume corresponding to its D.B.H. is found by *interpolation*.

Example: A 67 centimetre Mninga from Tabora Block.

    Turn to Table I for Tabora; find the appropriate species column (001); follow the column down to D.B.H.
    65 and 70; read the gross volumes for each D.B.H.
    Volumn 65 = 2.82; Volume 70 = 3.31

THIRD SCHEDULE—*(contd.)*

Thus a unit increment of D.B.H. corresponds to an increment of gross volume of:

$$\frac{3.31 - 2.82}{5}$$

Therefore, Volume 67 =

$$2.82 + \frac{2(3.31 - 2.82)}{5}$$

Result: 3.02 cubic metres.

Case 3.

When the D.B.H. of the subject tree is beyond the limits given in the table, the gross volume corresponding to its D.B.H. is found by *extrapolation*.

Example: a 147 centimetres Mninga from Tabora Block.

Turn to Table I for Tabora; find the appropriate species column; follow the column down to the last two entries, e.g. D.B.H. 120 and 125; read the gross volumes for each D.B.H.

Volume 120 = 10.27; Volume 125 = 11.17.

Thus a unit increment of D.B.H. correspond to an increment of gross volume of:

$$\frac{11.17 - 10.27}{5}$$

Therefore, Volume 147 =

$$11.17 + \frac{(147 - 125)(11.17 - 10.27)}{5}$$

$$= 11.17 + \frac{22 \times 0.90}{5}$$

Result: 15,13 cubic metres.

Case 4.

When the species of the subject tree is of infrequent occurrence, its gross volume is found by referring to the Alphabetical Key to determine the appropriate "group" column to be used and following the above procedures with the figures found in that column.

B. *Table II Percentage of Gross Volumes by Utilization Grade.*

Case 5.

When the species of the subject tree is of major importance,,the grade percentage table will contain an individual column for this species which will show, for a number of D.B.H. classes, the following percentages:

V Percent of gross volume represented by Veneer-wood;

S Percent of gross volume represented by Saw-wood;

F Percent of gross Volume represented by Firewood;

U Total utilizable percentage (sum of V + S + F);

R Percent of gross volume represented by Reject wood.

THIRD SCHEDULE—*(contd.)*

Example: a 67 centimetres Mninga from Tabora Block.

> Using the procedures given for Case 2 above, determine the gross volume (3.02 cubic metres); determine the 15 centimetres D.B.H. class of the subject tree (60—74 centimetres class); turn tQ Table II for Tabora; find the appropriate species column (001); follow the column down to the determined D.B.H. class; read the percentage figures given.

$V = O$; $S = 69.4$; $F = 15.5$; $R = 15.1$

Apply the above percentages to the gross volume figure to obtain volumes in each grade; (the total of these grade volumes must equal the gross volume figure used).

Result: $V = O$; $S = 2.09$; $F = 0.47$; $R = 0.46$

> Total $= 3.02$ metres^3.

Case 6.

When the species of the subject tree is of minor importance, it will be included in the grade percentage table under "All Other Species", for which the following percentages are shown;

U Total Utilizable Percentage;

R Percent of gross volume represented by Reject wood.

Example a 67 centimetres Msinde tree from Tabora Block.

> Determine gross volume Table I, Column 056 (2.60 cubic metres); determine D.B.H. class (60 — 74 centimetres); turn to Table II for Tabora; read percentage figures given.
>
> $U = 90.5$; $R = 9.5$.

Apply the above percentage to the gross volume figure to obtain volumes in each grade; (totals must again equal the gross figure used).

Result: $U = 2.356$; $R = 0.25$.

Total $= 2.60$ metre^3.

TABORA — Table I

8. Table I — Gross Volume Under Bark per Tree in Cubic Metres.

SPECIES CODE	SPECIES NAME	15	20	25	30	35	40	45	50	55	60
015	STERCULIA QUINQUELOBA	0.06	0.14	0.25	0.38	0.62	0.89	1.21	1.56	1.94	2.36
014	ERYTHROPHLEUM AFRICANUM	0.07	0.16	0.28	0.42	0.69	1.00	1.35	1.74	2.17	2.64
013	SCLEROCARYA BIRREA	0.05	0.12	0.20	0.31	0.50	0.72	0.97	1.25	1.91	1.91
012	ALBIZIA ANTUNESIANA	0.06	0.16	0.27	0.41	0.67	0.97	1.31	1.70	2.12	2.56
011	BRACHYSTEGIA MANGAECARANA	0.04	0.08	0.15	0.23	0.37	0.53	0.71	0.92	1.15	1.40
010	COMBRETUM CINCERIANUM	0.06	0.15	0.26	0.39	0.63	0.92	1.24	1.59	1.99	2.42
009	PTEROCARPUS CHRYSOTHRIX	0.07	0.18	0.31	0.47	0.77	1.12	1.51	1.94	2.42	2.95
008	LONCHOCARPUS CAPASSA	0.05	0.11	0.19	0.30	0.48	0.70	0.94	1.21	1.51	1.84
007	BRACHYSTEGIA LONGIFOLIA	0.08	0.19	0.33	0.50	0.82	1.18	1.60	2.06	2.57	3.13
006	BRACHYSTEGIA MICROPHYLLA	0.05	0.13	0.23	0.35	0.57	0.82	1.10	1.42	1.78	2.16
005	BRACHYSTEGIA BOEHMII	0.07	0.16	0.28	0.43	0.71	1.02	1.37	1.77	2.21	2.69
004	TERMINALIA SERICEA	0.07	0.16	0.29	0.44	0.71	1.03	1.39	1.79	2.23	2.72
003	BRACHYSTEGIA SPICIFORMIS	0.07	0.17	0.30	0.45	0.74	1.06	1.44	1.85	2.31	2.81
002	ISOBERLINIA (JULBERNADIA) Sp.	0.07	0.17	0.30	0.46	0.75	1.09	1.47	1.89	2.36	2.88
001	PTEROCARPUS ANGOLENSIS	0.06	0.14	0.25	0.38	0.62	0.89	1.20	1.55	1.94	2.36

	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015
65	2.02	3.44	3.36	3.25	3.21	2.58	3.73	2.20	3.52	2.89	1.67	3.08	2.28	3.15	2.82
70	3.31	4.04	3.95	3.82	3.78	3.04	4.39	2.59	4.14	3.40	1.97	3.62	2.68	3.70	3.32
75	3.84	4.69	4.58	4.43	4.39	3.52	5.09	3.00	4.81	3.94	2.28	4.20	3.10	4.29	3.85
80	4.41	5.38	5.26	5.09	5.03	4.05	5.85	3.45	5.52	4.53	2.62	4.82	3.56	4.93	4.42
85	5.01	6.12	5.98	5.78	5.72	4.60	6.65	3.92	6.27	5.15	2.98	5.48	4.05	5.61	5.03
90	5.66	6.90	6.75	6.52	6.46	5.19	7.50	4.42	7.07	5.81	3.36	6.18	4.57	6.32	5.67
95	6.33	7.73	7.56	7.30	7.23	5.81	8.40	4.95	7.92	6.50	3.76	6.92	5.12	7.08	6.35
100	7.05	8.60	8.41	8.13	8.04	6.47	9.34	5.51	8.82	7.24	4.18	7.70	5.70	7.60	7.06
105	7.80	9.52	9.30	8.99	8.90	7.16	10.34	6.09	9.75	8.01	4.63	8.52	6.30	8.72	7.82
110	8.59	10.48	10.24	9.90	9.80	7.88	11.38	6.71	10.74	8.82	5.10	9.38	6.94	9.66	8.66
115	9.41	11.49	11.23	10.85	10.74	8.63	12.48	7.35	11.77	9.66	5.59	10.28	7.61	10.52	9.43
120	10.27	12.54	12.25	11.85	11.73	9.42	13.62	8.03	12.85	10.55	6.10	11.22	8.30	11.48	10.29
125	11.17	13.64	13.32	12.88	12.75	10.25	14.81	8.73	13.97	11.47	6.63	12.20	9.03	12.49	11.19

SPECIES CODE

THIRD SCHEDULE CONT.

TABORA – Page 2

Table I

SPECIES CODE	SPECIES NAME	15	20	25	30	35	40	45	50	55	60
038	COMBRETUM GRANDIFOLIUM	0.05	0.13	0.22	0.34	0.55	0.79	1.07	1.38	1.72	2.09
031	HYMENOCARDIA MOLLIS	0.05	0.11	0.20	0.30	0.48	0.70	0.94	1.22	1.52	1.85
030	DIPLORHYNCHUS MOSSAMBICENSIS	0.03	0.08	0.15	0.22	0.36	0.52	0.70	0.91	1.13	1.38
029	MARKHAMIA OBTUSIFOLIA	0.06	0.14	0.25	0.38	0.62	0.89	1.20	1.55	1.93	2.36
028	COMBRETUM ZEYHERI	0.05	0.11	0.19	0.30	0.48	0.70	0.94	1.21	1.51	1.84
027	LANNEA SCHIMPERI	0.06	0.13	0.23	0.36	0.58	0.84	1.13	1.46	1.82	2.21
026	OSTRYODERRIS STUHLMANNII	0.07	0.16	0.28	0.43	0.70	1.01	1.36	1.75	2.18	2.66
025	AFRORMOSIA ANGOLENSIS	0.07	0.16	0.28	0.42	0.68	0.99	1.33	1.72	2.15	2.61
024	PARINACUSA DACTYLOPHYLLA	0.06	0.15	0.26	0.39	0.64	0.92	1.25	1.61	2.00	2.44
023	STRYCHNOS SCHUMANNIANA	0.02	0.05	0.10	0.15	0.24	0.34	0.46	0.60	0.75	0.91
022	AFZELIA QUANZENSIS	0.07	0.17	0.29	0.45	0.73	1.05	1.42	1.83	2.28	2.78
020	MONOTES ADENOPHYLLUS	0.06	0.15	0.27	0.41	0.67	0.97	1.30	1.68	2.10	2.55
019	COMMIPHORA AFRICANA	0.06	0.14	0.24	0.37	0.60	0.87	1.16	1.52	1.89	2.30
018	ACACIA ROVUMAE	0.05	0.12	0.22	0.33	0.54	0.77	1.05	1.35	1.68	2.05
017	COMBRETUM CUELNZII	0.05	0.13	0.23	0.35	0.57	0.82	1.11	1.43	1.78	2.17

	017	018	019	020	022	023	024	025	026	027	028	029	030	031	038	
65	2.59	2.44	2.75	3.05	3.32	1.09	2.91	3.12	3.17	2.64	2.19	2.81	1.64	2.21	2.50	65
70	3.04	2.87	3.23	3.58	3.90	1.28	3.42	3.67	3.73	3.10	2.58	3.31	1.93	2.60	2.93	70
75	3.53	3.34	3.75	4.16	4.53	1.48	3.97	4 26	4.33	3.60	2.99	3.84	2.24	3.01	3.41	75
80	4.05	3.83	4.31	4.77	5.20	1.70	4.56	4.89	4.97	4.14	3.44	4.41	2.58	3.46	3.91	80
85	4.61	4.35	4.90	5.43	5.91	1.93	5.19	5.56	5.65	4.70	3.91	5.01	2.93	3.93	4.44	85
90	5.19	4.91	5.52	6.12	6.67	2.18	5.85	6.27	6.37	5.30	4.41	5.65	3.30	4.44	5.01	90
95	5.82	5.50	6.18	6.86	7.47	2.44	6.55	7.02	7.13	5.94	4.93	6.33	3.70	4.97	5.61	95
100	6.47	6.12	6.88	7.63	8.31	2.72	7.29	7.81	7.94	6.61	5.49	7.04	4.12	5.53	6.25	100
105	7.16	6.77	7.61	8.44	9.19	3.01	8.07	8.64	8.79	7.31	6.08	7.79	4.56	6.12	6.91	105
110	7.89	7.45	8.38	9.30	10.12	3.31	8.88	9.52	9.67	8.05	6.69	8.58	5.02	6.74	7.61	110
115	8.64	8.17	9.19	10.19	11.10	3.63	9.73	10.43	10.60	8.83	7.33	9.40	5.50	7.38	8.34	115
120	9.44	8.92	10.03	11.12	12.11	3.96	10.62	11.38	11.57	9.63	8.00	10.26	6.00	8.06	9.10	120
125	10.26	9.70	10.91	12.09	13.17	4.31	11.55	12.38	12.58	10.48	8.70	11.16	6.52	8.76	9.90	125

SPECIES CODE

Table I - TABORA - Page 3

SPECIES CODE	SPECIES NAME	D.B.H. 15	20	25	30	35	40	45	50	55	60
060	ACACIA USAMBARENSIS	0.07	0.17	0.30	0.46	0.75	1.08	1.45	1.87	2.34	2.85
059	DIOSPYRUS MESPILIFORMIS	0.05	0.12	0.22	0.33	0.55	0.77	1.04	1.34	1.67	2.03
057	ACACIA TORTILIS	0.08	0.20	0.34	0.52	0.85	1.23	1.44	2.14	2.67	3.25
056	OCHNA Sp. (Mwage)	0.05	0.12	0.21	0.32	0.51	0.74	1.00	1.29	1.61	1.96
054	BRACHYSTEGIA FLORIBUNDA	0.07	0.17	0.30	0.46	0.76	1.09	1.46	1.89	2.36	2.87
053	THESPESIA GARCKEANA	0.04	0.11	0.19	0.28	0.46	0.66	0.90	1.15	1.44	1.75
052	(Mlumbia)	0.05	0.11	0.19	0.29	0.47	0.68	0.92	1.19	1.49	1.81
051	BAUHINIA THONNINGII	0.03	0.07	0.13	0.20	0.32	0.46	0.62	0.80	1.00	1.22
050	COMBRETUM TERNIFOLIUM	0.05	0.13	0.23	0.35	0.57	0.82	1.11	1.43	1.78	2.17
047	DIOSPYRUS Sp. (Mnumbulu)	0.03	0.07	0.11	0.17	0.28	0.41	0.55	0.71	0.89	1.08
046	ACACIA Sp. (Livindae)	0.06	0.15	0.27	0.40	0.66	0.95	1.28	1.65	2.06	2.51
045	ALBIZIA AMARA	0.06	0.13	0.23	0.35	0.57	0.83	1.12	1.44	1.80	2.19
043	HEXALOBUS MONOPETALUS	0.11	0.25	0.45	0.68	1.11	1.60	2.16	2.78	3.47	4.23
042	PSEUDOLACHNOSTYLIS MAPROUNEIFOLIA	0.07	0.16	0.28	0.43	0.70	1.01	1.36	1.75	2.18	2.66
041	VITEX Sp. (Mfuru)	0.05	0.12	0.21	0.32	0.52	0.75	1.01	1.30	1.62	1.98

	041	042	043	045	046	047	050	051	052	053	054	056	057	059	060	
65	2.36	3.17	5.05	2.62	3.00	1.29	2.59	1.46	2.16	2.09	3.43	2.34	3.88	2.43	3.48	65
70	2.77	3.73	5.93	3.08	3.52	1.52	3.04	1.71	2.54	2.46	4.03	2.75	4.56	2.86	4.00	70
75	3.22	4.33	6.88	3.57	4.09	1.76	3.53	1.99	2.95	2.86	4.67	3.19	5.29	3.31	4.64	75
80	3.70	4.97	7.90	4.10	4.69	2.02	4.06	2.28	3.38	3.28	5.36	3.66	6.07	3.80	5.32	80
85	4.20	5.65	8.99	4.66	5.34	2.30	4.61	2.60	3.85	3.73	6.10	4.17	6.91	4.33	6.05	85
90	4.74	6.37	10.14	5.26	6.02	2.59	5.20	2.93	4.34	4.21	6.88	4.70	7.79	4.88	6.83	90
95	5.31	7.13	11.35	5.89	6.74	2.91	5.82	3.28	4.86	4.71	7.70	5.26	8.72	5.46	7.64	95
100	5.91	7.94	12.63	6.56	7.50	3.23	6.48	3.65	5.41	5.24	8.57	5.85	9.71	6.08	8.51	100
105	6.54	8.79	13.98	7.26	8.30	3.58	7.17	4.04	5.98	5.80	9.49	6.48	10.74	6.73	9.41	105
110	7.20	9.67	15.39	7.99	9.14	3.94	7.90	4.45	6.59	6.39	10.45	7.13	11.83	7.41	10.36	110
115	7.89	10.60	16.87	8.76	10.02	4.32	8.65	4.87	7.22	7.00	11.45	7.82	12.96	8.12	11.36	115
120	8.61	11.57	18.41	9.56	10.93	4.71	9.45	5.32	7.88	7.64	12.50	8.53	14.15	8.86	12.40	120
125	9.36	12.58	20.02	10.39	11.89	•5.12	10.27	5.78	8.57	8.31	13.59	9.28	15.38	9.64	13.48	125
SPECIES CODE	041	042	043	045	046	047	050	051	052	053	054	056	057	059	060	

THIRD SCHEDULE CONT.

TABORA
Table I - Page 4

G.N. No. 463 (contd.)

888

Forests (Amendment) Rules

SPECIES CODE	061	062	063				
SPECIES NAME	(Kasange)	BURKEA AFRICANA	STROPHANTHUS EMINII	O T H E R S P E C I E S			
				GROUP 1	GROUP 2	GROUP 3	GROUP 4
D.B.H.							
15	0.05	0.08	0.04	0.06	0.06	0.07	0.07
20	0.13	0.20	0.11	0.13	0.14	0.16	0.17
25	0.23	0.34	0.19	0.23	0.25	0.28	0.30
30	0.35	0.52	0.28	0.36	0.38	0.42	0.45
35	0.57	0.85	0.46	0.58	0.62	0.69	0.74
40	0.82	1.23	0.67	0.84	0.89	1.00	1.06
45	1.10	1.65	0.90	1.13	1.20	1.35	1.44
50	1.42	2.13	1.16	1.46	1.55	1.74	1.85
55	1.77	2.66	1.45	1.82	1.94	2.17	2.31
60	2.16	3.24	1.76	2.21	2.36	2.64	2.81
65	2.58	3.87	2.10	2.64	2.82	3.15	3.36
70	3.03	4.55	2.47	3.10	3.31	3.70	3.95
75	3.52	5.28	2.87	3.60	3.84	4.29	4.58
80	4.04	6.06	3.29	4.14	4.41	4.93	5.26
85	4.60	6.89	3.75	4.70	5.01	5.61	5.98

D.B.H.: 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85

	061	062	063					
90	5.18	7.77	4.23	5.30	5.66	6.32	6.75	90
95	5.80	8.70	4.73	5.94	6.33	7.08	7.56	95
100	6.46	9.68	5.27	6.61	7.05	7.88	8.41	100
105	7.15	10.72	5.83	7.31	7.80	8.72	9.30	105
110	7.87	11.80	6.41	8.05	8.59	9.60	10.24	110
115	8.62	12.93	7.03	8.83	9.41	10.52	11.23	115
120	9.41	14.11	7.67	9.63	10.27	11.48	12.25	120
125	10.24	15.35	8.34	10.48	11.17	12.49	13.32	125

SPECIES CODE: 061, 062, 063

068

C. Table II – Percentages of Gross Volumes by Utilization Grade.

TABORA
Table II

SPECIES CODE		001	002	003	005	010	014	020	025	027			
SPECIES NAME		PTEROCARPUS ANGOLENSIS	ISOBERLINIA (JULBERNADIA) SP.	BRACHYSTEGIA SPICIFORMIS	BRACHYSTEGIA BOEHMII	COMBRETUM 3INDERIANUM	ERYTHROPHLEUM AFRICANUM	MONOTES ADENOPHYLLUS	AFRORMOSIA ANGOLENSIS	LANNEA SCHIMPERI	ALL OTHER SPECIES		
D.B.H. CLASS	GRADE											GRADE	D.B.H. CLASS
15 TO 29	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		V	15 TO 29
	S	64.9	78.1	64.3	71.0	64.7	80.3	59.4	53.4	68.2		S	
	F	32.1	17.0	25.1	19.3	28.8	12.5	34.7	42.9	27.2		F	
	U	97.0	95.1	89.4	90.3	93.5	92.8	94.1	96.3	95.4	90.5	U	
	R	3.0	4.9	10.6	9.7	6.5	7.2	5.9	3.7	4.6	9.5	R	
30 TO 44	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		V	30 TO 44
	S	77.4	73.2	69.3	74.0	60.2	62.8	70.0	60.5	69.9		S	
	F	16.6	18.6	21.0	20.0	26.7	25.0	20.3	32.3	25.4		F	
	U	94.0	91.8	90.0	94.0	86.9	87.8	90.3	92.8	95.3	90.5	U	
	R	6.0	8.2	10.0	6.0	13.1	12.2	9.7	7.2	4.7	9.5	R	

SPECIES CODE		001	002	003	005	010	014	020	025	027		
45 TO 59	V	0.0	7.1	0.0	0.0		0.0	0.6			V	.45 TO 59
	S	73.2	48.9	77.9	71.5		63.4	69.3			S	
	F	14.2	16.0	11.9	14.2		19.6	19.2			F	
	U	87.4	72.0	89.8	85.7		83.0	89.2	90.5		U	
	R	12.6	28.0	10.2	14.3		17.0	10.8	9.5		R	
60 TO 74	V	0.0		34.9	41.6			19.9			V	60 TO 74
	S	69.4		41.0	36.9			44.4			S	
	F	15.5		14.6	16.4			21.6			F	
	U	84.9		90.5	94.9			85.9	90.5		U	
	R	15.1		9.5	5.1			14.1	9.5		R	
75 TO 89	V										V	75 TO 89
	S										S	
	F										F	
	U								90.5		U	
	R								9.5		R	
OVER 90	V										V	OVER 90
	S										S	
	F										F	
	U								90.5		U	
	R								9.5		R	

APPENDIX III
TARIFF TABLES
(FOR USE IN PLANTATION
FORESTS ONLY)

Mid Girth In M.	2.1	2.4	2.7	3 0	3.3	Log 3.6	Length 3.9	In 4.2	Meters 4.5	4.8	5.1	5.4	5.7	6.0
1.20	0.241	0.275	0.309	0.344	0.378	0.413	0.447	0.481	0.516	0.550	0.584	0.619	0.653	0.688
1.25	0.261	0.298	0.336	0.373	0.410	0.448	0.485	0.522	0.560	0.597	0.634	0.671	0.709	0.746
1.30	0.282	0.323	0.363	0.403	0.444	0.484	0.524	0.565	0.605	0.646	0.686	0.726	0.767	0.807
1.35	0.305	0.348	0.392	0.435	0.479	0.522	0.566	0.609	0.653	0.696	0.740	0.783	0.827	0.870
1.40	0.328	0.374	0.421	0.468	0.515	0.561	0.608	0.655	0.702	0.749	0.795	0.842	0.889	0.936
1.45	0.351	0.402	0.452	0.502	0.552	0.602	0.653	0.703	0.753	0.803	0.853	0.903	0.954	1.004
1.50	0.376	0.430	0.483	0.537	0.591	0.645	0.698	0.752	0.806	0.859	0.913	0.967	1.021	1.074
1.55	0.401	0.459	0.516	0.574	0.631	0.685	0.746	0.803	0.860	0.918	0.975	1.032	1.090	1.147
1.60	0.428	0.489	0.550	0.611	0.672	0.733	0.795	0.856	0.917	0.978	1.039	1.100	1.161	1.222
1.65	0.455	0.520	0.585	0.650	0.715	0.780	0.845	0.910	0.975	1.040	1.105	1.170	1.235	1.300
1.70	0.483	0.552	0.621	0.690	0.759	0.828	0.897	0.966	1.035	1.104	1.173	1.242	1.311	1.380
1.75	0.512	0.585	0.658	0.731	0.804	0.877	0.950	1.024	1.097	1.170	1.243	1.316	1.389	1.462
1.80	0.541	0.619	0.695	0.773	0.851	0.928	1.006	1.083	1.160	1.238	1.315	1.392	1.470	1.547
1.85	0.572	0.654	0.735	0.817	0.899	0.980	1.062	1.144	1.226	1.307	1.389	1.471	1.552	1.634
1.90	0.603	0.689	0.776	0.862	0.948	1.034	1.120	1.207	1.293	1.379	1.465	1.551	1.637	1.724
1.95	0.635	0.726	0.817	0.908	0.999	1.089	1.180	1.271	1.362	1.452	1.543	1.634	1.725	1.816
2.00	0.668	0.764	0.859	0.955	1.050	1.146	1.241	1.337	1.432	1.528	1.623	1.719	1.814	1.910
2.05	0.702	0.803	0.903	1.003	1.104	1.204	1.304	1.405	1.505	1.605	1.706	1.806	1.906	2.007
2.10	0.737	0.842	0.948	1.053	1.152	1.263	1.369	1.474	1.579	1.684	1.790	1.895	2.000	2.106
2.15	0.772	0.883	0.993	1.104	1.214	1.324	1.435	1.545	1.655	1.766	1.876	1.986	2.097	2.207
2.20	0.809	0.924	1.040	1.155	1.271	1.387	1.502	1.618	1.733	1.849	1.964	2.080	2.195	2.311
2.25	0.846	0.967	1.088	1.209	1.329	1.450	1.571	1.692	1.813	1.934	2.055	2.175	2.296	2.417
2.30	0.884	1.010	1.137	1.263	1.389	1.515	1.642	1.768	1.894	2.021	2.147	2.273	2.399	2.526
2.35	0.923	1.055	1.187	1.318	1.450	1.582	1.714	1.805	1.978	2.109	2.241	2.373	2.505	2.637
2.40	0.963	1.100	1.238	1.375	1.513	1.650	1.788	1.925	2.063	2.200	2.338	2.475	2.613	2.750
2.45	1.003	1.146	1.290	1.433	1.576	1.720	1.863	2.006	2.143	2.293	2.436	2.579	2.723	2.866
2.50	1.044	1.194	1.343	1.492	1.641	1.790	1.940	2.089	2.238	2.387	2.537	2.686	2.835	2.894

Mid Girth In M.	2.1	2.4	2.7	3.0	3.3	Log 3.6	Length 3.9	In 4.2	Meters 4.5	4.8	5.1	5.4	5.7	6.0
2.55	1.087	1.242	1.397	1.552	1.708	1.863	2.018	2.173	2.329	2.484	2.639	2.794	2.949	3.105
2.60	1.130	1.291	1.452	1.614	1.775	1.937	2.098	2.259	2.421	2.582	2.744	2.905	3.066	3.228
2.65	1.174	1.341	1.509	1.676	1.844	2.012	2.179	2.347	2.515	2.682	2.850	3.018	3.185	3.353
2.70	1.218	1.392	1.566	1.740	1.914	2.088	2.262	2.437	2.611	2.785	2.959	3.133	3.307	3.481
2.75	1.264	1.444	1.625	1.805	1.986	2.166	2.347	2.528	2.708	2.889	3.069	3.250	3.430	3.611
2.80	1.310	1.497	1.684	1.872	2.059	2.246	2.433	2.620	2.807	2.995	3.182	3.369	3.556	3.743
2.85	1.357	1.551	1.745	1.939	2.133	2.327	2.521	2.715	2.909	3.103	3.296	3.490	3.684	3.878
2.90	1.405	1.606	1.807	2.008	2.209	2.409	2.610	2.811	3.012	3.212	3.413	3.614	3.815	4.015
2.95	1.454	1.662	1.870	2.078	2.285	2.493	2.701	2.909	3.116	3.324	3.532	3.740	3.947	4.155
3.00	1.504	1.719	1.934	2.149	2.363	2.578	2.793	3.008	3.223	3.438	3.653	3.867	4.082	4.297
3.05	1.555	1.777	1.999	2.221	2.443	2.665	2.887	3.109	3.331	3.553	3.775	3.997	4.220	4.442
3.10	1.606	1.835	2.065	2.294	2.524	2.753	2.982	3.212	3.441	3.671	4.900	3.130	4.359	4.588
3.15	1.658	1.859	2.132	2.369	2.606	2.843	3.079	3.316	3.553	3.790	4.027	4.264	4.501	4.738
3.20	1.711	1.956	2.200	2.445	2.689	2.934	3.178	3.422	3.667	3.911	4.156	4.400	4.645	4.889
3.25	1.765	2.017	2.269	2.522	2.774	3.026	3.278	3.530	3.782	4.035	4.287	4.539	4.791	5.043
3.30	1.820	2.080	2.340	2.600	2.860	3.120	3.380	3.640	3.900	4.160	4.420	4.680	4.940	5.200
3.35	1.875	2.143	2.411	2.679	2.947	3.215	3.483	3.751	4.019	4.280	4.500	4.823	5.090	5.358
3.40	1.932	2.208	2.484	2.760	3.036	3.312	3.588	3.864	4.140	4.416	4.692	4.968	5.244	5.519
3.45	1.989	2.273	2.557	2.842	3.126	3.410	3.694	3.978	4.262	4.546	4.831	5.115	5.399	5.683
3.50	2.047	2.340	2.632	2.924	3.217	3.509	3.802	4.094	4.387	4.679	4.972	5.264	5.556	5.849
4.55	2.106	2.407	2.708	3.009	3.309	3.610	3.911	4.212	4.513	4.814	5.115	5.416	5.716	6.017
4.60	2.166	2.475	2.785	3.094	3.403	3.713	4.022	4.332	4.641	4.950	5.260	5.569	5.897	6.188
4.65	2.226	2.544	2.862	3.181	3.499	3.817	4.135	4.453	4.771	5.089	5.407	5.725	6.043	6.361
4.70	2.288	2.615	2.941	3.268	3.595	3.922	4.249	4.576	4.902	5.229	5.556	5.883	6.210	6.536
4.75	2.350	2.685	3.021	3.357	3.693	4.029	4.364	4.700	5.036	5.371	5.707	6.043	6.379	6.714
4.80	2.413	2.758	3.103	3.447	3.792	4.137	4.481	4.826	5.171	5.516	5.860	6.205	6.550	6.895
4.85	2.477	2.831	3.185	3.539	3.892	4.246	4.600	4.954	5.308	5.662	6.016	6.370	6.723	7.077
4.90	2.542	2.905	3.268	3.631	3.994	4.357	4.720	5.084	5.447	5.810	6.173	6.536	6.899	7.262
4.95	2.607	2.980	3.352	3.725	4.097	4.470	4.842	5.215	5.870	5.960	6.332	6.705	7.077	7.450

Mid Girth In M.	2.1	2.4	2.7	3.0	3.3	Log 3.6	Length 3.9	In 4.2	Meters 4.5	4.8	5.1	5.4	5.7	6.0
5.00	2.674	3.056	3.438	3.820	4.202	4.584	4.966	5.348	5.730	6.112	6.494	6.875	7.257	7.039
5.05	2.741	3.133	3.524	3.916	4.307	4.699	5.091	5.488	5.874	6.265	6.657	7.048	7.440	7.832
5.10	2.809	3.210	3.612	4.013	4.414	4.816	5.217	5.618	5.890	6.421	6.822	7.224	7.225	8.026
5.15	2.878	3.289	3.700	4.112	4.523	4.934	5.345	5.756	6.167	6.519	6.990	7.401	7.812	8.223
5.20	2.948	3.369	3.790	4.211	4.632	5.053	5.475	5.896	6.317	6.738	7.159	3.000	5.000	8.422
5.25	3.018	3.450	4.881	4.312	4.743	5.175	5.606	6.037	6.468	6.899	7.331	7.762	8.193	8.624
5.30	3.090	3.531	3.973	4.414	4.856	5.297	5.738	6.180	6.621	7.063	7.504	7.945	8.387	8.828
5.35	3.160	3.614	4.066	4.517	4.969	5.421	5.873	6.324	6.776	7.228	7.680	8.131	8.583	9.035
5.40	3.235	3.697	4.160	4.622	5.084	5.546	6.008	6.471	6.933	7.395	7.857	8.319	8.782	9.244
5.45	3.309	3.782	4.255	4.727	5.200	5.673	6.146	6.618	7.091	7.564	8.037	8.509	8.982	9.455
6.50	3.384	3.867	4.351	4.834	5.318	5.801	6.285	6.768	7.251	7.735	8.218	8.702	9.185	9.669
6.55	3.460	3.954	4.448	4.942	5.437	5.931	5.425	6.919	7.414	7.908	8.402	8.896	9.390	9.805
6.60	3.536	4.041	4.546	5.052	5.557	6.062	6.567	7.072	7.577	8.083	8.588	9.093	9.598	0.103
6.65	3.613	4.130	4.646	5.162	5.678	6.194	6.711	7.227	7.743	8.259	8.775	9.292	9.808	0.324
6.70	3.692	4.219	4.746	5.274	5.804	6.328	6.856	7.383	7.910	8.438	8.965	9.492	1.020	10.547
6.75	3.770	4.309	4.848	5.386	6.464	7.464	7.002	7.541	8.080	8.618	9.157	9.696	10.234	10.773
6.80	3.850	4.400	4.950	5.500	6.050	6.600	7.151	7.701	8.251	8.801	9.351	9.901	1.451	11.001
6.85	3.931	4.492	5.054	5.616	6.177	6.739	7.300	7.862	8.423	8.985	9.546	1.108	10.670	11.231
6.90	4.012	4.586	5.159	5.732	6.305	6.878	7.452	8.025	8.598	8.171	9.744	0.318	10.891	11.464
6.95	4.095	4.680	5.265	5.850	6.434	7.019	8.604	8.189	8.774	9.359	9.944	1.529	11.114	11.659
7.00	4.178	4.775	5.371	5.968	6.565	7.162	7.759	8.356	8.952	9.549	10.146	10.743	11.340	11.937
7.05	4.262	4.871	5.479	6.088	6.697	7.306	7.915	8.524	9.132	9.741	10.350	10.959	11.568	12.177
7.10	4.347	4.968	5.588	6.209	6.830	7.451	8.072	8.693	9.314	9.935	10.556	11.177	11.798	12.419
7.15	4.432	5.065	5.699	6.332	6.965	7.598	8.231	8.864	9.498	10.131	10.764	11.397	12.030	12.664
7.20	4.519	5.164	5.810	6.455	7.101	7.746	8.392	9.037	9.683	10.329	10.974	11.186	11.844	12.502	13.160
7.25	4.606	5.264	5.922	6.580	7.238	7.896	8.554	9.212	9.870	10.528	11.186	11.844	12.741	13.412
7.30	4.694	5.365	6.035	6.706	7.377	8.047	8.718	9.388	10.059	10.730	11.400	12.071	12.983	13.666
7.35	4.783	5.466	6.150	6.833	7.516	8.200	8.883	9.566	10.250	10.933	11.616	12.300	13.227	13.923
7.40	4.873	5.569	6.265	6.961	7.658	8.354	9.050	9.746	10.442	11.138	11.834	12.531	13.473	14.18
7.45	4.964	5.673	6.382	7.091	7.800	8.509	9.218	9.927	10.636	11.346	12.055	12.764		

Mid Girth In M.	2.1	2.4	2.7	3.0	3.3	Log 3.6	Length 3.9	In 4.2	Meters 4.5	4.8	5.1	5.4	5.7	6.0
7.50	5.055	5.777	6.499	7.222	7.944	8.666	9.388	10.110	10.832	11.555	12.277	12.999	13.721	14.443
7.55	5.147	5.883	6.618	7.354	8.089	8.824	9.560	10.295	11.030	11.766	12.501	13.236	13.972	14.707
7.60	5.241	5.980	6.738	7.487	8.235	8.984	9.733	10.481	11.230	11.979	12.727	13.476	14.225	14.973
7.65	5.335	6.097	6.859	7.621	8.383	9.146	9.907	10.669	11.431	12.193	12.956	13.718	14.480	15.242
7.70	5.429	6.205	6.981	7.756	8.532	9.308	10.083	10.859	11.635	12.410	13.186	13.962	14.737	15.513
7.75	5.525	6.314	7.104	7.893	8.682	9.472	10.261	11.050	11.840	12.629	13.418	14.208	14.997	15.786
7.80	5.622	6.425	7.228	8.031	8.834	9.637	10.440	11.243	12.046	12.850	13.653	14.456	15.259	16.062
7.85	5.719	6.536	7.353	8.170	8.987	9.804	10.621	11.438	12.255	13.072	13.889	14.706	15.523	16.340
7.90	5.817	6.648	7.479	8.310	9.141	9.972	10.803	11.634	12.465	13.296	14.127	14.958	15.790	16.621
7.95	5.916	6.761	7.607	8.452	9.297	10.142	10.987	11.832	12.678	13.523	14.368	15.213	16.058	16.903
8.00	6.016	6.875	7.735	8.594	9.454	10.313	11.173	12.032	12.892	13.751	14.610	15.470	16.329	17.189

PART D APPENDIX 2

Mid Diam 0.6cm.	2.1	2.4	2.7	3.0	3.3	3.6	Long 3.9	Length 4.2	In 4.5	Meters 4.8	5.1	5.7	6.0	1.191
7	.008	009.	.010	.012	.013	.014	.015	.016	.017	.018	.020	.021	.0.2	.023
8	.011	.012	.014	.015	.017	.. 18	.020	.021	.023	.024	.026	.027	.029	.030
9	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.032	.034	.036	.038
10	.016	.019	.021	.024	.026	.028	.031	.033	.035	.038	.040	.042	.045	.047
11	.020	.023	.026	.029	.031	.034	.037	.040	.043	.046	.048	.051	.054	.057
12	.024	.027	.031	.034	.037	.041	.044	.048	.051	.054	.058	.061	.0964	.068
13	.028	.032	.036	.040	.044	.048	.052	.056	.060	.064	.068	.072	.076	.080
14	.032	.037	.042	.046	.051	.055	.060	.065	.069	.074	.079	.083	.088	.092
15	.037	.042	.048	.053	.058	.064	.069	.074	.080	.085	.090	.095	.101	.106
16	.042	.048	.054	.060	.066	.072	.078	.084	.090	.097	.103	.109	.115	.121
17	.048	.054	.061	.068	.075	.082	.089	.095	.102	.109	.116	.123	.129	.136
18	.053	.061	.069	.076	.084	.092	.099	.107	.115	.122	.130	.137	.145	.153
19	.060	.068	.077	.085	.094	.102	.111	.119	.128	.136	.145	.153	.162	.170
20	.066	.075	.085	.094	.104	.113	.123	.132	.141	.151	.160	.170	.179	.188

Mid Girth In M.	2.1	2.47	3.27	3.03	Log 6.3	Length 3.6	In 43.59	Meters 4.2	4.5	4.8	5.1	5.4	5.7	6.0
21	.073	.083	.094	.104	.114	.125	.135	.145	.156	.166	.177	.187	.197	.208
22	.080	.091	.103	.114	.125	.137	.148	.160	.171	.182	.194	.205	.217	.228
23	.087	.100	.112	.125	.137	.150	.162	.174	.181	.199	.212	.224	.237	.249
24	.095	.109	.122	.136	.149	.163	.176	.190	.204	.217	.231	.244	.258	.271
23	.103	.118	.133	.147	.162	.177	.191	.206	.221	.236	.250	.265	.280	.295
26	.111	.127	.143	.159	.175	.191	.207	.223	.239	.255	.271	.287	.303	.319
27	.120	.137	.155	.172	.189	.206	.223	.240	.258	.275	.292	.309	.326	.344
28	.129	.148	.166	.185	.203	.222	.240	.259	.277	.296	.314	.333	.351	.396
29	.139	.159	.178	.198	.218	.238	.258	.277	.297	.317	.337	.357	.376	.396
30	.148	.170	.191	.212	.233	.254	.276	.297	.318	.339	.360	.382	.403	.424
31	.159	.181	.204	.226	.249	.272	.249	.317	.340	.362	.385	.408	.430	.453
32	.160	.193	.217	.241	.265	.290	.314	.338	.362	.386	.410	.434	.458	.483
33	.180	.205	.231	.257	.282	.308	.334	.359	.385	.411	.436	.462	.488	.513
34	.191	.218	.245	.272	.300	.327	.354	.381	.409	.436	.463	.490	.518	.545
35	.202	.231	.260	.289	.317	.346	.375	.404	.433	.462	.491	.520	.548	.577
36	.214	.244	.275	.305	.336	.366	.397	.428	.458	.489	.519	.550	.580	.611
37	.226	.258	.290	.323	.355	.387	.419	.452	.484	.516	.548	.581	.613	.645
38	.238	.272	.306	.340	.374	.408	.442	.476	.510	.544	.578	.612	.646	.680
39	.251	.287	.323	.358	.394	.430	.466	.502	.538	.573	.609	.645	.681	.717
40	.264	.302	.339	.377	.415	.452	.490	.528	.565	.603	.641	.679	.716	.754
41	.277	.317	.356	.396	.436	.475	.515	.555	.594	.634	.673	.713	.753	.792
42	.291	.333	.374	.416	.457	.499	.540	.582	.623	.665	.707	.748	.790	.831
43	.305	.349	.392	.436	.479	.523	.566	.610	.653	.697	.741	.784	.828	.871
44	.319	.365	.411	.456	.502	.547	.593	.639	.684	.730	.775	.821	.867	.912
45	.334	.282	.429	.477	.525	.573	.620	.668	.716	.763	.811	.859	.907	.954
46	.349	.399	.449	.499	.548	.598	.648	.698	.748	.798	.848	.897	.947	.997
47	.364	.416	.468	.520	.573	.625	.677	.729	.781	.833	.885	.937	.989	.1041
48	.380	.434	.489	.543	.597	.651	.706	.760	.814	.869	.923	.977	1.031	1.086
49	.396	.534	.509	.566	.622	.679	.736	.792	.849	.905	.962	1.018	1.075	1.131
50	.412	.471	.530	.589	.648	.567	.766	.825	.884	.942	1.001	1.060	1.119	1.178

TARIFF TABLE FOR CONIFERS SHOWING TOTAL VOLUME IN M3 OVER BARK
PRELIMINARY EDITION, APRIL 1981

APPENDIX II

Basal Area Per Tree In M2	DBH In CM	Tariff Number 20	21	22	23	24	25	26	27	28	29	DBH In CM
.0040	7	0.005	0.005	0.005	0.005	.005	.005	.005	.005	.005	.005	7
.0050	8	.010	.010	.011	.011	.011	.011	.012	.012	.012	.012	8
.0064	9	.016	.016	.017	.017	.018	.019	.019	.020	.021	.021	9
.0079	10	.022	.023	.024	.025	.026	.027	.028	.029	.030	.030	10
.0095	11	.029	.031	.032	.033	.034	.036	.037	.038	.039	.041	11
.0113	12	.037	.039	.040	.042	.044	.045	.047	.039	.050	.052	12
.0133	13	.046	.048	.050	.052	.054	.056	.058	.060	.062	.064	13
.0154	14	.055	.057	.060	.062	.065	.068	.070	.073	.075	.078	14
.0177	15	.065	.068	.071	.074	.077	.080	.083	.086	.089	.092	15
.0201	16	.075	.079	.082	.086	.089	.093	.097	.100	.104	.107	16
.0227	17	.086	.090	.095	.099	.103	.107	.111	.115	.120	.124	17
.0254	18	.098	.103	.108	.112	.117	.122	.127	.131	.136	.141	18
.0284	19	.111	.116	.121	.127	.132	.138	.143	.149	.154	.159	19
.0314	20	.124	.130	.136	.142	.148	.154	.160	.166	.172	.179	20
.0346	21	.138	.144	.151	.158	.165	.171	.178	.185	.192	.199	21
.0380	22	.152	.160	.167	.175	.182	.190	.198	.205	.213	.220	22
.0415	23	.167	.176	.184	.192	.201	.209	.217	.226	.234	.242	23
.0452	24	.183	.193	.202	.211	.220	.229	.238	.247	.256	.266	24
.0491	25	.200	.210	.220	.230	.240	.250	.260	.270	.280	.290	25
.0531	26	.217	.228	.239	.250	.261	.272	.283	.293	.304	.315	26
.0573	27	.235	.247	.259	.271	.282	.294	.306	.318	.330	.341	27
.0616	28	.254	.267	.279	.292	.305	.318	.330	.343	.356	.369	28
.0661	29	.273	.287	.301	.413	.328	.342	.356	.369	.383	.397	29
.0707	30	.293	.308	.323	.337	.352	.367	.382	.396	.411	.426	30
.0755	31	.314	.329	.345	.361	.377	.393	.409	.424	.440	.456	31
.0804	32	.335	.352	.369	.386	.403	.419	.437	.453	.470	.487	32
.0855	33	.357	.375	.393	.411	.429	.447	.465	.483	.501	.519	33
.0908	34	.380	.399	.418	.437	.457	.476	.495	.514	.533	.553	34
.0962	35	.403	.423	.444	.464	.485	.505	.525	.546	.566	.587	35
.1018	36	.427	.449	.470	.492	.514	.535	.557	.579	.600	.622	36
.1075	37	.452	.475	.498	.520	.543	.566	.589	.612	.635	.658	37
.1134	38	.477	.501	.526	.550	.574	.598	.622	.647	.671	.695	38
.1195	39	.503	.529	.554	.580	.605	.631	.656	.682	.708	.733	39
.1257	40	.530	.557	.584	.611	.638	.665	.691	.718	.746	.772	40
.1320	41	.557	.586	.614	.642	.671	.699	.727	.756	.784	.812	41
.1385	42	.585	.615	.645	.675	.704	.734	.764	.794	.823	.853	42
.1452	43	.614	.645	.677	.708	.739	.770	.802	.833	.864	.895	43
.1521	44	.644	.676	.709	.742	.775	.807	.840	.873	.906	.938	44
.1590	45	.674	.708	.742	.777	.811	.880	.914	.914	.948	1.027	45
.1662	46	.705	.740	.776	.812	.848	.884	.920	.956	.992	1.027	46
.1735	47	.736	.774	.811	.849	.886	.923	.961	.998	1.036	1.073	47
.1810	48	.768	.807	.846	.886	.925	.964	1.003	1.042	1.082	1.120	48
.1886	49	.801	.842	.883	.923	.964	1.005	1.046	1.087	1.128	1.168	49
.1963	50	.835	.877	.920	.962	1.005	1.047	1.090	1.132	1.175	1.217	50

Basal Area Per Tree In M2	DBH In CM	Tariff Number										DBH In CM
		20	21	22	23	24	25	26	27	28	29	
.2043	51	.869	913.	.957	1.088	1.002	1.046	1.134	1.179	1.223	1.267	51
.2124	52	904.	.950	.996	1.042	1.088	1.180	1.180	1.226	1.272	1.318	52
.2206	53	939.	.987	1.035	1.083	1.131	1.179	1.227	1.274	1.322	1.370	53
.2290	54	.975	1.025	1.075	1.125	1.174	1.224	1.274	1.324	1.373	1.423	54
.2376	55	1.012	1.064	1.116	1.167	1.219	1.270	1.322	1.374	1.426	1.477	55
.2363	56	1.050	1.103	1.157	1.211	1.264	1.318	1.371	1.425	1.478	1.532	56
.2552	57	1.088	1.144	1.199	1.255	1.310	1.421	1.421	1.477	1.532	1.588	57
.2642	58	1.127	1.184	1.242	1.300	1.357	1.415	1.472	1.530	1.587	1.645	58
.2734	59	1.167	1.226	1.286	1.345	1.405	1.464	1.524	1.584	1.643	1.703	59
.2827	60	1.207	1.268	1.330	1.392	1.453	1.515	1.577	1.638	1.700	1.762	60
.2922	61	1.248	1.311	1.375	1.439	1.507	1.516	1.630	1.694	1.757	1.821	61
.3019	62	1.289	1.355	1.421	1.487	1.553	1.619	1.685	1.750	1.816	1.822	62
.3117	63	1.332	1.400	1.468	1.536	1.604	1.672	1.740	1.808	1.876	1.994	63
.3217	64	1.375	1.445	1.515	1.586	1.656	1.726	1.796	1.866	1.937	2.007	64
.3318	65	1.418	1.491	1.563	1.636	1.708	1.781	1.853	1.926	1.998	2.071	65
.3421	66	1.463	1.537	1.612	1.687	1.762	1.836	1.911	1.986	2.061	2.135	66
.3526	67	1.508	1.585	1.662	1.739	1.816	1.893	1.970	2.047	2.124	2.201	67
.3632	68	1.553	1.633	1.712	1.792	1.871	1.950	2.030	2.109	2.189	2.268	68
.3739	69	1.600	1.682	1.763	1.845	1.927	2.009	2.090	2.172	2.254	2.336	69
.3848	70	1.647	1.731	1.815	1.093	1.984	2.068	2.152	2.236	2.320	2.405	70
.3959	71	1.695	1.781	1.868	1.954	2.041	2.128	2.214	2.301	2.388	2.474	71
.4072	72	1.743	1.832	1.921	2.010	2.099	2.189	2.278	2.367	2.456	2.545	72
.4485	73	1.792	1.884	1.975	2.067	2.159	2.250	2.342	2.333	2.525	2.617	73
.4301	74	1.842	1.936	2.030	2.124	2.219	2.313	2.407	2.501	2.595	2.689	74
.4418	75	1.892	1.989	2.086	2.182	2.279	2.376	2.473	2.570	2.666	2.763	75
.4536	76	1.943	2.043	2.142	2.241	2.341	2.440	2.540	2.639	2.738	2.838	76
.4557	77	1.995	2.097	2.199	2.301	2.403	2.505	2.607	2.709	2.812	2.914	77
.4778	78	2.048	2.152	2.257	2.362	2.466	2.571	2.676	2.781	2.885	2.990	78
.4902	79	2.101	2.208	2.316	2.423	2.531	2.638	2.745	2.853	2.961	3.068	79
.5027	80	2.154	2.265	2.375	2.485	2.595	2.706	2.816	2.926	3.037	3.147	80
.5153	81	2.209	2.322	2.435	2.548	2.661	2.774	2.887	3.000	3.113	3.226	81
.5281	82	2.264	2.380	2.496	2.612	2.728	2.843	2.959	3.075	3.191	3.307	82
.5411	83	2.320	2.439	2.557	2.676	2.795	2.914	3.032	3.151	3.270	3.383	83
.5542	84	2.376	2.498	2.620	2.741	2.863	2.985	3.106	3.228	3.350	3.471	84
.5675	85	2.434	2.558	2.683	2.807	2.932	3.056	3.181	3.306	3.430	3.555	85
.5809	86	2.492	2.619	2.747	2.874	3.002	3.129	3.257	3.384	3.512	3.639	86
.5945	87	2.550	2.691	2.811	2.942	3.072	3.203	3.333	3.464	3.594	3.725	87
.6082	88	2.609	2.743	2.876	3.010	3.144	3.277	3.411	3.544	3.678	3.811	88
.6221	89	2.669	2.806	2.942	3.079	3.216	3.352	3.489	3.626	3.762	3.899	89
.6362	90	2.730	2.870	3.009	3.149	3.289	3.428	3.568	3.708	3.848	3.987	90

		30	31	32	33	34	35	36	37	38	39	
.0040	7	.006	.006	.600	.006	.006	.006	.006	.006	.006	.006	7
.0050	8	.013	.013	.013	.013	.014	.014	.014	.014	.014	.015	8
.0064	9	.022	.022	.023	.023	.024	.024	.025	.026	.026	.027	9
.0079	10	.031	.032	.033	.034	.035	.036	.037	.038	.039	.039	10

Basal Area per Tree InM2	DBH In CM	Tariff Number										DBH In CM
		30	31	32	33	34	35	36	37	38	39	
.0095	11	.042	.043	.044	.046	.047	.048	.049	.051	.052	.053	11
.0113	12	.054	.055	.057	.060	.060	.062	.063	.065	.057	0.070	12
.0133	13	.067	.069	.071	.073	.075	.077	.079	.031	.083	.085	13
.0154	14	.080	.083	.085	.088	.091	.093	.096	.098	.101	.103	14
.0177	15	.095	.098	.101	.104	0.108	0.111	0.114	0.117	.120	.123	15
.0201	16	.111	.115	.118	.122	.125	.129	.132	.136	.140	.143	16
.0227	17	.128	.132	.136	.140	.145	.149	.153	.157	.161	.165	17
.0254	18	.145	.150	.155	.160	.165	.169	.174	.179	.184	.188	18
.0284	19	.165	.170	.176	.181	.187	.192	.198	.203	.208	.214	19
.0314	20	.185	.191	.107	.203	.209	.215	.221	.227	.233	.239	20
.0346	21	.205	.212	.219	.226	.233	.239	.246	.253	.260	.267	21
.0380	22	.228	.235	.243	.250	.258	.265	.273	.280	.288	.296	22
.0415	23	.250	.259	.267	.275	.284	.292	.300	.309	.317	.325	23
.0452	24	.275	.284	.293	.302	.311	.320	.329	.339	.348	.357	24
.0491	25	.300	.310	.320	.330	.340	.350	.360	.370	.380	.390	25
.0531	26	.326	.337	.348	.359	.370	.380	.391	.402	.413	.424	26
.0573	27	.353	.365	.377	.389	.401	.413	.424	.436	.448	.460	27
.0616	28	.381	.394	.407	.420	.433	.445	.458	.471	.484	.496	28
.0661	29	.411	.425	.438	.452	.466	.480	.493	.507	.521	.535	29
.0707	30	.441	.456	.470	.485	.508	.515	.529	.544	.559	.574	30
.0755	31	.472	.488	.504	.520	.535	.551	.567	.583	.599	.615	31
.0804	32	.504	.521	.538	.555	.572	.889	.606	.622	.639	.556	32
.0855	33	.537	.555	.573	.591	.609	.628	.646	.664	.682	.700	33
.0908	34	.572	.591	.610	.629	.648	.668	.687	.706	.726	.745	34
.0962	35	.607	.627	.648	.668	.689	.709	.729	.750	.770	.791	35
.1018	36	.644	.665	.687	.708	.730	0.752	.773	.195	.817	.838	36
.1075	37	.681	.704	.727	.749	.772	0.795	.818	.841	.864	.887	37
.1134	38	.719	743.	.768	.792	.816	0.340	.864	.889	.913	.937	38
.1195	39	.759	.784	.810	.836	.861	0.887	.912	.938	.963	.989	39
.1257	40	.799	.826	.853	88.0	.907	0.834	.961	.988	1.015	1.045	40
.1320	41	840.	.869	.897	.925	.954	0.982	1.010	1.039	1.067	1.096	41
.1385	4x	.883	.913	.942	.972	1.002	1.032	1.061	1.091	1.121	1.151	42
.1452	43	.926	.958	.989	1.080	1.051	1.083	1.114	1.145	1.176	1.208	43
.1521	44	.971	1.004	1.037	1.070	1.103	1.135	1.168	1.201	1.234	1.266	44
.1590	45	1.016	1.051	1.085	1.119	1.154	1.188	1.222	1.256	1.291	1.325	45
.1662	46	1.063	1.099	1.135	1.171	1.207	1.243	1.279	1.315	1.350	1.386	46
.1735	47	1.111	1.148	1.186	1.223	1.261	1.298	1.336	1.373	1.411	1.448	47
.1810	48	1.160	1.199	1.238	1.277	1.316	1.356	1.395	1.434	1.473	1.512	48
.1886	49	1.209	1.250	1.291	1.332	1.373	1.414	1.454	1.495	1.536	1.577	49
.1963	50	1.260	1.302	1.345	1.387	1.430	1.472	1.515	1.557	1.600	1.643	50
.2043	51	1.312	1.356	1.400	1.445	1.489	1.533	1.578	1.622	1.66	1.7100	51
.2125	53	1.365	1.411	1.457	1.503	1.549	1.595	1.641	1.687	1.733	1.779	52
2206.	53	1.418	1.466	1.514	1.562	1.610	1.658	1.705	1.753	1.801	1.840	53
.2290	54	1.473	1.523	1.572	1.622	1.672	1.722	1.771	1.821	1.871	1.921	54
.2376	55	1.529	1.580	1.632	1.684	1.735	1.787	1.839	1.390	1.942	1.994	55
.2463	56	1.586	1.639	1.693	1.746	1.800	1.853	1.907	1.961	2.014	2.068	56
.2552	57	1.644	1.699	1.755	1.810	1.866	1.921	1.977	2.032	2.088	2.143	57

G.N. No. 463 (contd.)

Basal Area per Tree In CM	DBH In CM	Tariff Number										DBH In CM
		30	31	32	33	34	35	36	37	38	39	
.2642	58	1.702	1.760	1.817	1.875	1.932	1.990	2.047	2.105	2.163	2.220	58
.2734	59	1.762	1.822	1.881	1.941	2.000	2.060	2.120	2.179	2.239	2.298	59
.2827	60	1.823	1.884	1.946	2.008	2.069	2.131	2.193	2.254	2.316	2.378	60
.2922	61	1.885	1.949	2.012	2.076	2.140	2.203	2.267	2.331	2.395	2.459	61
.3019	62	1.948	2.014	2.080	2.146	2.211	2.277	2.343	2.409	2.475	2.541	62
.3117	63	2.012	2.080	2.148	2.216	2.284	2.352	2.420	2.488	2.556	2.624	63
.3217	64	2.077	2.147	2.218	2.288	2.359	2.428	2.499	2.569	2.639	2.709	64
.3318	65	2.143	2.215	2.288	2.360	2.433	2.505	2.578	2.650	2.723	2.795	65
.3421	66	2.210	2.285	2.360	2.434	2.509	2.584	2.733	2.733	2.808	2.883	66
.3526	67	2.279	2.356	2.433	2.510	2.587	2.664	2.741	2.818	2.812	2.972	67
.3682	68	2.348	2.427	2.506	2.636	2.765	2.745	2.824	2.904	2.983	2.062	68
.3739	69	2.417	2.499	2.581	2.663	2.744	2.826	2.908	2.990	2.072	3.154	69
.3848	70	2.488	2.573	2.657	2.741	2.825	2.909	2.994	3.078	3.163	3.246	70
3959.	71	2.561	2.647	2.734	2.821	2.907	2.994	3.088	3.167	3.348	3.341	71
4072.	72	2.634	2.724	2.813	2.902	2.991	3.080	3.169	3.258	3.348	3.436	72
.4185	73	2.708	2.800	2.891	2.983	2.891	3.166	3.258	3.350	3.441	3.533	73
.4301	74	2.784	2.878	2.972	3.006	3.161	3.255	3.349	3.443	3.537	3.631	74
.4418	75	2.860	2.957	3.054	3.150	3.247	3.344	3.441	3.537	3.634	3.731	75
.4536	76	2.937	3.036	3.136	3.235	3.335	3.434	3.533	3.633	3.732	3.832	76
.4657	77	3.016	3.118	3.220	3.322	3.424	3.526	3.628	3.730	3.832	3.934	77
.4778	78	3.095	3.199	3.304	3.409	3.514	3.618	3.723	3.828	3.933	4.038	78
.4902	79	3.176	3.283	3.391	3.498	3.605	3.713	3.820	3.928	4.035	4.143	79
.5027	80	3.257	3.367	3.478	3.588	3.698	3.808	3.918	4.029	4.139	4.249	80
.5153	81	3.339	3.452	3.565	3.678	3.791	3.904	4.017	4.130	4.243	4.356	81
.5231	82	3.423	3.538	3.654	3.770	3.886	4.002	4.118	4.234	4.349	4.465	82
.5411	83	3.507	3.626	3.745	3.864	3.982	4.101	4.220	4.338	4.457	4.476	84
.5542	84	3.593	3.714	3.836	3.958	4.079	4.201	4.322	4.444	4.566	4.687	84
.5675	85	3.679	3.804	3.929	4.153	4.178	4.302	4.427	4.551	4.676	4.800	85
.5809	86	3.767	3.894	4.022	4.149	4.277	4.404	4.532	4.659	4.787	4.914	86
.5945	87	3.855	3.986	4.117	4.247	4.378	4.508	4.639	4.769	4.900	3.030	78
.6082	88	3.945	4.078	4.212	4.345	4.479	4.613	4.746	4.880	4.013	5.147	88
.6221	89	4.035	4.172	4.309	4.445	4.582	4.719	4.855	4.992	5.128	5.265	89
.6362	90	4.227	4.267	4.407	4.647	4.686	4.826	4.966	5.205	5.245	5.385	90

		40	41	42	43	44	45	46	47	48	49	
.0040	7	.006	006.	.006	.006	.006	.006	.006	.007	.007	.007	7
.0050	8	.015	015.	.015	.016	.016	016.	.017	.017	.017	.017	8
.0064	9	.027	.027	.028	029.	.030	.030	.031	.031	.032	.032	9
.0079	10	040.	041	.042	.043	.044	.045	.046	.047	.048	.048	10
.0095	11	054.	0.56	.057	.058	.059	.061	.062	.063	.064	.066	11
.0113	12	.070	.072	.073	.075	.077	.078	.080	.082	.083	.085	12
.0133	13	.088	.090	.092	.094	.096	.098	.100	.102	.104	.106	13
.0154	14	.106	.108	.111	.113	.116	.119	.121	.124	.126	.129	14
.0177	15	.126	.129	.132	.135	.138	.141	.144	.147	.15_	.153	15

Basal Area per Tree In M2	DBH In CM	Tariff Number										DBH In CM
		40	41	42	43	44	45	46	47	48	49	
.0227	16	.147	.150	.154	.158	.161	.168	.168	.172	.176	.179	16
.0227	17	.170	.174	.178	.182	.186	.190	.195	.199	.203	.207	17
.0254	18	.193	.198	.203	.207	.212	.217	.222	.226	.231	.236	18
.0284	19	.219	.225	.230	.236	.241	.246	.252	.257	.263	.268	19
.0314	20	.245	.252	.258	.264	.270	2.76	.282	.288	.294	.300	20
.0346	21	.273	.280	.287	.294	.301	.307	.314	.321	.328	.335	21
.0380	22	.303	.311	.318	.326	.333	.341	.348	.356	.363	.371	22
.0415	23	.334	.342	.350	.259	.367	.375	.384	.392	.400	.409	23
.0452	24	.366	.375	.384	.393	.403	.412	.421	.430	.439	.448	24
.0491	25	.400	.410	.420	.430	.440	.450	.460	.470	.480	.490	25
.0531	26	.435	.446	.457	.468	.478	.489	.500	.511	.522	.533	26
.0573	27	.472	.483	.495	.507	.519	.531	.542	.554	.566	.578	27
.0616	28	.509	.522	.535	.547	.560	.573	.586	.598	.611	.624	28
.0661	29	.548	.562	.576	.590	.603	.617	.631	.645	.658	.672	29
.0707	30	.589	.603	.618	.633	.648	.662	.677	.692	.707	.722	30
.0755	31	.630	.646	.662	.678	.694	.710	.725	.741	.757	.773	31
.0804	32	.673	.690	.707	.724	.741	.758	.775	792.	.809	.825	32
.0855	33	718.	.736	.754	.772	.790	.808	.826	.844	.862	.880	33
.0908	34	.764	.783	.802	.822	.841	.840	.879	.899	.918	.937	34
.0962	35	1.811	.832	.852	.872	.893	.913	.934	.954	.974	.995	35
.2018	36	.860	.882	.903	.925	.947	.968	.990	1.012	1.033	1.055	36
.1075	37	.910	.933	.956	.978	1.001	1.024	1.007	1.070	1.093	1.116	37
.1134	38	.961	.985	1.010	1.034	1.058	1.082	1.107	1.131	1.155	1.179	38
.1195	39	1.015	1.040	1.066	1.091	1.117	1.142	1.168	1.193	1.219	1.245	39
.1257	40	1.069	1.096	1.122	1.149	1.176	1.203	1.230	1.257	1.284	1.311	40
.1320	41	1.124	1.152	1.180	1.209	1.237	1.265	1.294	1.322	1.350	1.379	41
.1385	42	1.180	1.210	1.240	1.270	1.299	1.329	1.359	1.389	1.418	1.448	42
.1452	43	1.239	1.270	1.301	1.333	1.364	1.395	1.426	1.458	1.489	1.520	43
.1521	44	1.299	1.332	1.365	1.397	1.430	1.463	1.496	1.528	1.561	1.594	44
.1590	45	1.359	1.394	1.428	1.462	1.496	1.531	1.565	1.599	1.634	1.668	45
.1662	46	1.422	1.458	1.494	1.530	1.566	1.602	1.637	1.709	1.709	1.745	46
.1735	47	1.486	1.523	1.561	1.598	1.636	1.673	1.711	1.748	1.786	1.823	47
.1810	48	1.551	1.590	1.639	1.669	1.708	1.747	1.786	1.825	1.865	1.904	48
.1886	49	1.618	1.659	1.699	1.740	1.181	1.822	1.863	1.903	1.944	1.985	49
.1963	50	1.685	1.727	1.770	1.812	1.855	1.898	1.940	1.983	2.025	2.068	50
.2043	51	1.755	1.799	1.843	1.088	1.932	1.976	2.021	2.65	2.109	2.153	51
.2124	52	1.825	1.872	1.918	1.964	2.010	2.056	2.102	2.148	2.194	2.240	52
.2206	53	1.897	1.945	1.993	2.041	2.089	2.137	2.184	2.232	2.280	2.328	53
.2290	54	1.970	2.020	2.070	2.120	2.169	2.219	2.269	2.319	2.368	2.418	54
.2376	55	2.045	2.097	2.149	2.200	2.252	2.304	2.355	2.407	2.459	2.510	55
.2463	56	2.121	2.175	2.228	2.282	2.336	2.389	2.443	2.496	2.550	2.604	56
.2552	57	2.199	2.255	2.310	2.366	2.421	2.477	2.532	2.588	2.643	2.699	57
.2642	58	2.278	2.335	2.393	2.450	2.508	2.565	2.623	2.680	2.738	2.795	58
.2734	59	2.358	2.417	2.477	2.537	2.596	2.656	2.715	2.775	2.834	2.894	59
.2827	60	2.439	2.501	2.562	2.624	2.686	2.747	2.809	2.870	2.932	2.994	60
.2922	61	2.522	2.586	2.649	2.713	2.777	2.841	2.904	2.968	3.032	3.095	61
.3019	62	2.607	2.673	2.738	2.804	2.870	2.936	3.002	3.068	3.134	3.199	62

Basal Area per Tree In M2	DBH In CM	Tariff Number										DBH In CM
		40	41	42	43	44	45	46	47	48	49	
.3117	63	2.692	2.760	2.828	2.896	2.964	3.032	3.100	3.168	3.236	3.304	63
.3217	64	2.779	2.850	2.920	2.990	3.060	3.131	3.201	3.271	3.341	3.412	64
.3318	65	2.868	2.940	3.013	3.085	3.158	3.230	3.302	3.375	3.447	3.520	65
.3421	66	2.958	3.032	3.107	3.182	3.257	3.331	3.406	3.481	3.556	3.630	66
.3526	67	3.049	3.126	3.203	3.280	3.357	3.435	3.812	3.589	3.666	3.743	67
.3632	68	3.142	3.221	3.301	3.380	3.459	3.539	3.618	3.698	3.777	3.856	68
.3739	69	3.235	3.317	3.399	3.480	3.562	3.644	3.726	3.808	3.889	3.971	69
.3848	70	3.330	3.414	3.499	3.583	3.667	3.751	3.835	3.920	4.004	4.088	70
.3959	71	3.427	3.514	3.600	3.687	3.774	3.860	3.947	4.034	4.120	4.207	71
.4072	72	3.526	3.615	3.704	3.793	3.882	3.971	4.061	4.150	4.239	4.328	72
.4185	73	3.624	3.716	3.808	3.899	3.991	4.083	4.174	4.266	4.358	4.449	73
.4301	74	3.726	3.820	3.914	4.008	4.102	4.197	4.291	4.385	4.479	4.573	74
.4318	75	3.828	3.925	4.021	4.118	4.215	4.312	4.409	4.505	4.602	4.699	75
.4536	76	3.931	4.030	4.130	4.229	4.328	4.428	4.527	4.627	4.726	4.825	76
.4657	77	4.036	4.139	4.241	4.343	4.445	4.547	4.649	4.751	4.853	4.955	77
.4778	78	4.142	4.247	4.352	4.456	4.561	4.666	4.770	4.875	4.980	5.085	78
.4902	79	4.250	4.358	4.465	4.573	4.680	4.788	4.895	5.003	5.110		79
.5027	80	4.359	4.470	4.580	4.690	4.800	4.911	5.021				80
.5153	81	4.469	4.582	4.695	4.808	4.922	5.035					81
.5281	82	4.581	4.697	4.813	4.929	5.045						82
.5411	83	4.695	4.813	4.932	5.051							83
.5542	84	4.809	4.931	5.052	5.174							84
.5675	85	4.925	5.050	5.174								85
.5809	86	5.042	5.170	5.297								86
.5945	87	5.161	5.291									87
.6082	88	5.280	5.414									88
.6221	89	5.402										89
.6362	90	5.525										90

TOTAL TREE VOLUME IN M3 O.B.

		50	51	52	53	54	55	56	57	58	59	
.0040	7	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007	7
.0050	8	.018	.018	.018	.018	.019	.019	.019	.019	.020	.020	8
.0064	9	.033	.033	.034	.035	.035	.036	.037	.037	.037	.038	9
.0079	10	.049	.050	.051	.052	.053	.054	.055	.056	.056	.057	10
.0095	11	.067	.068	.069	.071	.072	.073	.074	.076	.077	.078	11
.0113	12	.087	.088	.090	.091	.093	.095	.096	.101	.102	.104	12
.0133	13	.108	.110	.113	.115	.117	.119	.121	.123	.125	.127	13
.0154	14	.131	.134	.136	.139	.142	.144	.147	.149	.152	.154	14
.0177	15	.157	.160	.163	.166	.169	.172	.175	.178	.181	.184	15
.0201	16	.183	.186	.190	.194	.197	.201	.204	.208	.212	.215	16
.0227	17	.211	.215	.220	.224	.228	.232	.236	.240	.245	.249	17
.0254	18	.245	.250	.250	.255	.260	.265	.269	.274	.279	.284	18
.0284	19	.274	.279	.284	.290	.295	.301	.306	.312	.321	.322	19
.0314	20	.306	.312	.319	.325	.331	.337	.343	.349	.355	.361	20

Basal Area per Tree In M2	DBH In CM	50	51	52	53	54	55	56	57	58	59	DBH In CM
.0346	21	.341	.348	.355	.362	.369	.373	.382	.389	.396	.403	21
.0380	22	.379	.386	.394	.401	.409	.416	.424	.431	.43	.447	22
.0155	23	.417	.425	.434	.442	.450	.458	.467	.475	.483	.392	23
.0452	24	.457	.466	.476	.485	.494	.503	.512	.521	.530	.450	24
.0491	25	.500	.510	.520	.530	.540	.550	.560	.570	.580	.590	25
.0531	26	.544	.555	.566	.576	.587	.598	.609	.620	.631	.642	26
.0573	27	.590	.602	.613	.625	.637	.649	.661	.672	.684	.696	27
.0616	28	.637	.649	.652	.675	.688	.701	.713	.726	.739	.752	28
.0661	29	.686	.700	.713	.727	.741	.755	.768	.782	.795	.810	29
.0707	30	.736	.751	.766	.881	.795	.810	.825	.840	.854	.869	30
.0755	31	.789	.805	.820	.836	.852	.868	.884	.900	.915	.931	31
.0804	32	.842	.859	.876	.893	.910	.927	.944	.961	.978	.995	32
.0855	33	.898	.916	.934	.952	.970	.988	1.006	1.024	1.043	1.061	33
.0908	34	.956	.975	.995	1.014	1.033	1.052	1.071	1.081	1.110	1.129	34
.0962	35	1.015	1.036	1.056	1.076	1.097	1.117	1.138	1.158	1.178	1.199	35
.1018	36	1.076	1.098	1.120	1.141	1.163	1.185	1.206	1.228	1.250	1.271	36
.1075	37	1.139	1.162	1.185	1.208	1.230	1.253	1.276	1.299	1.322	1.345	37
.1134	38	1.203	1.228	1.252	1.276	1.300	1.324	1.349	1.373	1.397	1.421	38
.1195	39	1.270	1.296	1.321	1.347	1.372	1.398	1.423	1.449	1.475	1.500	39
.1257	40	1.338	1.365	1.392	1.419	1.446	1.473	1.499	1.526	1.553	1.580	40
.1320	41	1.407	1.435	1.463	1.492	1.520	1.548	1.577	1.605	1.633	1.662	41
.1385	42	1.478	1.508	1.537	1.567	1.597	1.627	1.656	1.686	1.716	1.746	42
.1452	43	1.552	1.582	1.614	1.645	1.676	1.707	1.739	1.770	1.801	1.832	43
.1521	44	1.627	1.659	1.692	1.725	1.758	1.790	1.823	1.856	1.889	1.922	44
.1590	45	1.702	1.736	1.771	1.805	1.839	1.839	1.908	1.942	1.946	2.011	45
.1662	46	1.781	1.817	1.853	1.889	1.924	1.960	1.996	2.032	2.068	2.104	46
.1735	47	1.861	1.898	1.936	1.973	2.011	2.048	2.086	2.123	2.161	2.198	47
.1810	48	1.943	1.943	1.982	2.021	2.060	2.099	2.139	2.217	2.256	2.295	48
.1386	49	2.026	2.067	2.108	2.148	2.189	2.230	2.271	2.312	2.353	2.393	49
.1963	50	2.110	2.153	2.195	2.238	2.280	2.323	2.365	2.408	2.450	2.493	50
.2043	51	2.198	2.242	2.286	2.331	2.315	2.419	2.463	2.508	2.552	2.596	51
.2124	52	2.286	2.332	2.378	2.425	2.471	2.517	2.563	2.609	2.655	2.701	52
.2206	53	2.376	2.426	2.472	2.520	2.568	2.615	2.663	2.711	2.759	2.807	53
.2290	54	2.468	2.518	2.567	2.617	2.667	2.171	2.766	2.816	2.866	2.916	54
.2376	55	2.562	2.614	2.665	2.717	2.769	2.820	2.872	2.924	2.975	3.027	55
.2463	56	2.657	2.711	2.764	2.818	2.871	2.925	2.979	3.032	3.086	3.139	56
.2552	57	2.754	2.810	2.866	2.921	2.977	3.032	3.088	3.143	3.199	3.254	57
.2642	58	2.853	2.910	2.968	3.026	3.083	3.141	3.198	3.256	3.313	3.371	58
.2734	59	2.954	3.013	3.073	3.132	3.192	3.251	3.311	3.371	3.430	3.490	59
.2827	60	3.055	3.117	3.179	3.240	3.302	3.363	3.425	3.487	3.548	3.610	60
.2922	61	3.159	3.223	3.287	3.503	3.414	3.478	3.542	3.605	3.669	3.733	61
.3019	62	3.265	3.331	3.397	3.463	3.529	3.595	3.661	3.726	3.792	3.858	62
.3217	63	3.373	3.441	3.509	3.577	3.645	3.713	3.781	3.849	3.917	3.985	63
.3217	64	3.482	3.552	3.622	3.693	3.763	3.833	3.903	3.974	4.044	4.114	64
.3318	65	3.592	3.665	3.737	3.810	3.882	3.955	4.027	4.100	4.172	4.245	65

Basal Area Per Tree In M2cm	DBH In CM	Tariff Number										DBH In CM
		50	51	52	53	54	55	56	57	58	59	
.3421	66	3.705	3.855	3.780	3.929	4.004	4.079	4.154	4.228	4.303	4.378	66
.3526	67	3.820	3.897	3.974	4.051	4.128	4.205	4.282	4.359	4.436	4.511	67
.3632	68	3.936	4.015	4.095	4.174	4.254	4.333	4.412	4.492	4.571	4.651	68
.3739	69	4.053	4.135	4.216	4.298	4.380	4.462	4.544	4.625	4.707	4.789	69
.3848	70	4.172	4.256	4.341	4.425	4.509	4.593	4.677	4.761	4.846	4.930	70
.3959	71	4.294	4.380	4.467	4.640	4.727	4.813	4.900	4.987	4.987	5.073	71
.4072	72	4.417	4.506	4.595	4.685	4.774	4.863	4.952	5.041	5.130	5.219	72
.4185	73	4.541	4.632	4.724	4.816	4.907	4.999	5.091	5.182	5.274	5.365	73
.4301	74	4.669	4.762	4.856	4.950	5.044	5.139	5.233	5.327	5.421	5.515	74
.4418	75	4.796	4.892	4.989	5.086	5.183	5.280	5.376	5.473	5.570	5.667	75
.4536	76	4.925	5.024	5.123	5.223	5.322	5.422	5.421	5.620	5.720	5.819	76
.4657	77	5.057	5.159	5.261	5.363	5.465	5.567	5.669	5.772	5.874	5.976	77
.4778	78	5.189	5.294	5.399	5.504	5.608	5.713	5.818	5.923	6.027	6.132	78
.4902	79	5.325	5.433	5.940	5.648	5.000	6.879	5.970	6.077	6.292	6.185	79
.5027	80	5.462	5.572	5.682	5.793	5.903	6.123	6.126	6.233	6.344	6.454	80
.5153	81	5.600	5.713	5.826	5.938	6.052	6.278	6.391	6.504	6.504	6.617	81
.5281	82	5.740	5.856	5.971	6.087	6.203	6.319	6.435	6.551	6.666	6.782	82
.5411	83	5.882	6.001	6.119	6.238	6.475	6.475	6.594	6.950	6.832	6.950	82
.5542	84	6.025	6.147	6.268	6.390	6.512	6.633	6.755	6.876	6.998	7.120	84
.5675	85	6.171	6.295	6.420	6.544	6.669	6.793	6.918	7.043	7.292	7.929	85
.5809	86	6.317	6.445	6.572	6.827	6.955	7.210	7.082	7.210	7.337	7.465	86
.5945	87	6.466	6.597	6.727	6.858	6.988	7.119	7.249	7.380	7.510	7.641	87
.6082	88	6.616	6.749	6.883	7.017	7.150	7.284	7.417	7.551	7.684	7.818	88
.6221	89	6.768	6.905	7.041	7.178	7.314	7.451	7.588	7.724	7.261	7.998	89
.6362	90	6.922	7.062	7.202	7.341	7.481	7.621	7.671	7.900	8.040	8.180	90

		60	61	62	63	64	65	66	67	68	69	
.0040	7	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007	7
.0050	8	.020	.021	.021	.021	.021	.021	.022	.022	.022	.023	8
.0064	9	.039	.039	.040	.040	.040	.041	.041	.042	.043	.043	9
.0079	10	.058	.059	.060	.060	.061	.063	.063	.064	.065	.066	10
.0095	11	.079	.081	.082	.083	.084	.086	.087	.088	.089	.091	11
.0113	12	.103	.105	.106	.108	.110	.111	.113	.115	.116	.118	12
.0133	13	.129	.131	.133	.135	.138	.140	.141	.144	.146	.148	13
.0154	14	.157	.159	.162	.164	.167	.170	.172	.175	.177	.180	14
.0177	15	.187	.190	.193	.196	.199	.202	.205	.208	.212	.214	15
.0201	16	.219	.222	.226	.230	.233	.237	.240	.244	.247	.251	16
.0227	17	.153	.257	.261	.165	.270	.274	.278	.282	.286	.290	17
.0254	18	.288	.294	.298	.303	.307	.312	.318	.322	.326	.332	18
.0284	19	.328	.333	.339	.343	.350	.355	.360	.365	.371	.376	19
.0314	20	.367	.374	.379	.386	.392	.398	.404	.410	.416	.422	20
.0346	21	.409	.417	.423	.430	.347	.443	.451	.457	.464	.471	21
.0380	22	.454	.462	.469	.477	.484	.492	.500	.507	.514	.522	22
.0415	23	.500	.508	.517	.526	.533	.542	.551	.559	.567	.576	23
.0452	24	.549	.558	.567	.577	.585	.594	.604	.613	.622	.632	24
.0491	25	.600	.610	.620	.630	.640	.650	.660	.670	.680	.690	25

Basal Area per Tree In M2	DBH In CM	Tariff Number										DBH In CM
		60	61	62	63	64	65	66	67	68	69	
.0531	26	.653	.663	.674	.685	.696	.707	.718	.729	.740	.750	26
.0573	27	.708	.719	.731	.743	.755	.767	.778	.790	.802	.813	27
.0616	28	.764	.777	.790	.802	.815	.888	.841	.853	.866	.879	28
.0661	29	.824	.837	851	.864	.879	.892	.905	.919	.934	.947	29
.0707	30	.834	.899	.914	.928	.943	.958	.972	.987	1.002	1.017	30
.0755	31	.947	.963	.979	.994	1.010	1.026	1.042	1.058	1.074	1.039	31
.0804	32	1.012	1.029	1.045	1.063	1.079	1.096	1.115	1.130	1.147	1.164	32
.0855	33	1.079	1.097	1.115	1.133	1.151	1.169	1.187	1.205	1.223	1.241	33
.0908	34	1.148	1.167	1.187	1.206	1.225	1.244	1.263	1.283	1.302	1.321	34
.0962	35	1.219	1.240	1.260	1.281	1.301	1.321	1.332	1.362	1.383	1.403	35
.1018	36	1.293	1.314	1.336	1.358	1.380	1.401	1.423	1.444	1.466	1.483	36
.1075	37	1.368	1.391	1.414	1.437	.459	1.482	1.506	1.529	1.551	1.574	37
.1134	38	1.445	1.470	1.494	1.518	1.542	1.567	1.591	1.615	1.639	1.666	38
11.95	39	1.526	1.551	1.577	1.602	1.628	1.653	1.678	1.704	1.730	1.755	39
.1257	40	1.607	1.634	1.661	1.687	1.715	1.742	1.768	1.795	1.823	1.849	40
.1320	41	1.690	1.719	1.747	1.775	1.802	1.832	1.860	1.889	1.917	1.945	41
.1385	42	1.775	1.806	1.835	1.865	1.895	1.924	1.955	1.984	2.014	2.044	42
.1452	43	1.864	1.895	1.926	1.958	1.989	2.020	2.051	2.083	2.113	2.145	43
.1521	44	1.954	1.986	2.020	2.052	2.085	2.118	2.150	2.183	2.216	2.248	44
.1590	45	2.045	2.080	2.114	2.148	2.182	2.216	2.251	2.286	2.319	2.354	45
.1662	46	2.140	2.175	2.211	2.247	2.283	2.319	2.355	2.391	2.427	2.462	46
.1735	47	2.236	2.273	2.311	3.348	2.336	2.423	2.461	2.536	2.498	2.573	47
.1810	48	2.334	2.373	2.413	2.451	2.491	2.530	2.569	2.608	2.647	2.686	48
.1886	49	2.434	2.475	2.516	2.556	2.598	2.638	2.679	2.720	2.761	2.801	49
.1963	50	2.535	2.579	2.621	2.664	2.706	2.748	2.791	2.834	2.876	2.919	50
.2043	51	2.641	2.635	2.729	2.774	2.818	2.862	2.906	2.950	2.995	3.039	51
.2124	52	2.747	2.793	2.839	2.885	2.932	2.978	2.023	3.069	3.116	3.162	52
.2206	53	2.855	2.903	2.951	2.999	3.047	3.094	3.143	3.191	3.238	3.286	53
.2290	54	2.965	3.015	3.065	3.115	3.164	3.214	3.264	3.314	3.363	3.414	54
.2376	55	3.079	3.130	3.182	3.233	3.285	3.237	3.388	3.440	3.492	3.543	55
.2463	56	3.193	3.246	3.300	3.354	3.407	3.461	3.514	3.568	3.622	3.675	56
.2552	57	3.310	3.365	3.421	3.476	3.532	3.588	3.643	3.698	3.754	3.809	57
.2642	58	3.428	3.486	3.543	3.543	3.653	3.716	3.774	3.831	3.889	3.946	58
.2734	59	3.549	3.609	3.668	3.728	3.787	3.847	3.907	3.966	4.026	4.085	59
.2827	60	3.672	3.734	3.795	3.857	3.918	3.980	4.042	4.104	4.164	4.227	60
.2922	61	3.796	3.861	3.988	3.924	4.051	4.115	4.179	4.243	4.306	4.371	61
.3019	62	3.924	3.990	4.122	4.122	4.178	4.253	4.319	4.385	4.451	4.517	62
.3117	63	4.053	4.121	4.189	4.257	4.325	4.393	4.461	4.529	4.597	4.665	63
.3217	64	4.184	4.255	4.235	4.395	4.465	4.536	4.606	4.676	4.746	4.816	64
.3318	65	4.317	4.390	4.462	4.535	4.607	4.699	4.752	4.825	4.897	4.970	65
.3421	66	4.453	4.529	4.602	4.677	4.752	4.862	4.901	4.976	5.051	5.126	66
.3526	67	4.591	4.667	4.745	4.821	4.899	4.976	5.053	5.130	5.207	5.284	67
.3632	68	4.730	4.809	4.889	4.968	5.048	5.127	5.206	5.285	5.365	5.444	68
.3739	69	4.871	4.953	5.034	5.116	5.198	5.280	5.362	5.444	5.525	5.607	69
.3848	70	5.014	5.099	5.188	5.267	5.351	5.435	5.520	5.604	5.637	5.772	70

Forests (Amendment) Rules

906

Basal Area per Tree In M2	DBH In CM	Tariff Numper										DBH In CM
		60	61	62	63	64	65	66	67	68	69	
.3959	71	5.160	5.247	5.332	5.420	5.506	5.593	5.680	5.767	5.853	5.940	71
.4072	72	5.309	5.397	5.487	5.575	5.665	5.754	5.843	5.932	6.022	6.110	72
.4185	73	5.457	5.549	5.640	5.733	5.824	5.915	6.007	6.099	6.190	6.282	73
.4301	74	5.610	5.704	5.798	5.892	5.986	6.081	6.175	6.269	6.363	6.457	74
.4418	75	5.763	5.860	5.957	6.054	6.151	6.247	6.344	6.441	6.538	6.634	75
.4536	76	5.919	6.019	6.117	6.217	6.316	6.416	6.516	6.615	6.714	6.814	76
.4657	77	6.078	6.179	6.282	6.383	6.486	6.588	6.690	6.792	6.894	6.996	77
.4778	78	6.237	6.342	6.446	6.552	6.656	6.760	6.866	6.970	6.075	7.180	78
.1902	79	6.400	6.507	6.615	6.722	6.830	6.937	7.044	7.152	7.260	7.367	79
.5027	80	6.564	6.774	6.785	6.894	7.005	7.115	7.225	7.335	7.446	7.556	80
.5153	81											81
.5281	82											82
.5411	83											83
.5542	84											84
.5675	85											85
.5809	86											86
.5945	87											87
.6082	88											88
.6362	90											89

NB: All values are in true measure overbark.

3. The Forests (Amendments) Rules, 1995 are hereby revoked.

JUMA A. NGASONGWA (MP.),

Dar es Salaam,   *Minister for Natural Resources*
    5th December, 1996   *and Tourism*

Price Shs. 575/-