

**NORAGRIC**  
BIBLIOTEKET  
Postboks 2  
N-1432 AS-NLH

Supply of Teaching Aid


to

Department of Forestry  
Makerere University  
Kampala, Uganda

A Report to the Norwegian Agency for Development Cooperation  
(NORAD)  
Oslo, Norway

June 1995

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## Acknowledgement

The consultancy team wishes to express its gratitude to the Vice-Chancellor at Makerere University, Prof. P.J.M. Ssebuwufu and the Dean of Faculty of Agriculture and Forestry, Prof. E.N. Sabiiti, for welcoming and briefing us on the present situation of Makerere University in general and the Faculty of Agriculture and Forestry in particular.

First and foremost, the team is most grateful to the staff members of the Department of Forestry for their cooperation during our four working days in Kampala. In particular, the team wishes to express its sincere thankfulness to Dr. John R.S. Kaboggoza, Head of Department of Forestry, for the very good preparatory work he had implemented prior to our arrival in Kampala. It was a pleasure to work in close cooperation with John during our mission in Kampala and the following mission trip to Nairobi and Eldoret (Kenya) and Dar es Salaam and Morogoro (Tanzania).

The team enjoyed very much the private hospitality given to us during our stay in Kampala.

From the visit to the neighbour countries, the team wishes to thank the Vice-Chancellor at Moi University, Prof. J. Irina for the very nice reception he gave us. Also thanks to the International Centre for Research in Agroforestry (ICRAF), Nairobi and Faculty of Forestry at Sokoine University of Agriculture, Morogoro for receiving us well, and briefing us on their programs and facilities.

## 1. Summary

A grant for the purchases of teaching equipment and supplies to Department of Forestry at Makerere University, Uganda has been given by NORAD. The grant is specifically earmarked for the purchases of textbooks, reference books, teaching equipment and supplies as well as transportation means etc. The grant was given as a one time emergency kit limited for the year 1995.

NORAD awarded a contract to Noragric to implement the provision of the grant. During its work in Kampala the appointed Noragric team worked in close cooperation with the Head and the Staff at the Department of Forestry at Makerere University.

The recommended purchases of the different items are given in the Appendixes C-F, and the table below shows the purchase amounts distributed on group of item in addition to the freight/insurance and duty.

Item group (Appendix)	Description	Amount in NOK (Rounded to nearest 5000)
A	Books etc.	455.000
B	Transportation means etc.	550.000
C	Equipment and supplies	890.000
D	Library and offices	245.000
	<u>Sub sum</u>	<u>2.140.000</u>
	Freight (assumed)	70.000
	Insurance (assumed)	20.000
	<u>Sub sum</u>	<u>90.000</u>
	Duty (assumed)	270.000
	<u>Grand total</u>	<u>2.500.000</u>

Duty (20%) on the items to be purchased in Nairobi is included in the Appendix B amount of NOK 550.000. For the items purchased in Kampala sales tax and duty are included in the equipment lists. Duty and sale tax (VAT) are not included in the NOK-prices for the items which have Norwegian suppliers. Books are exempted from sales tax and duty, but sales tax has to be paid for the two compendia which are supplied (made) by Rotator (AUN). This amount is included in the Appendix A amount of NOK 455.000. The group A-prices are net prices when 10% discount is already subtracted. Most of the prices in the Equipment lists are without discount. On those prices a discount of 5-10% can be subtracted.

## 2. Introduction

Limited support to the Department of Forestry at Makerere University, hereafter referred to as the Department or Department of Forestry, was discussed in connection with a visit to Kampala, Uganda by a NORAD delegation in early autumn 1994. After this visit the NORAD Resource Management Division was asked to lay the foundation for support to the Department.

Following a new visit to Kampala by Mr. Karl H. Solberg in November 1994, NORAD recommended to offer financial support to the Department of Forestry. This support was described as a fast and basic institution strengthening package designed to assist the Department to meet its basic teaching needs, and to stimulate further long term co-operation between the Department and the Agricultural University of Norway (AUN).

Based on the report and recommendation of Mr. Solberg, the grant which was limited to NOK 3.0 mill., was specifically earmarked for the provision of teaching aid defined very broadly to include textbooks, reference books, audio-visual aid, equipment and supplies as well as transportation means to facilitate practical training and field excursions.

The project was conceived as one time emergency academic aid with the assumption that Norwegian assistance to Uganda would soon be upgraded through bilateral agreements in which case long term co-operation and assistance would be eminent.

Noragric was appointed by NORAD as consultant agency to facilitate the implementation of the project in close cooperation with Department of Forestry and the Management at Makerere University.

The Noragric team consisted of professor Reidar Skaar as team leader, and senior librarian Astrid Alfnes. Associate professor Henning Svads was appointed project coordinator, while Mr. Carl Grennes acted as project secretary.

After having made the necessary preparations, the team travelled to Uganda May 1, 1995 to conduct the field work. May 7 the team,

together with Dr. Kaboggoza, travelled to Kenya and Tanzania. The team arrived back in Norway on May 16.

### **3. Objective and scope of work**

The objective of the consultancy mission was to produce lists of textbooks, reference books and other basic teaching equipment and supplies, and also to select competitive and competent suppliers of the items.

The Noragric consultants worked in close cooperation with Dr. John R. Kabogozza, the Head of Department of Forestry, and his staff during the consultants stay in Uganda. The Department syllabi for the various courses constituted the basis for the work.

In connection with the task, Dr. Kaboggoza and the consultants visited the Sokoine University of Agriculture, Tanzania; Moi University, Kenya and the International Centre for Research in Agroforestry (ICRAF), Kenya. The purpose of visiting these institutions was to collect relevant information with regard to textbooks, reference books, compendia, etc.

The full text of the Terms of Reference (TOR) of the consultancy is given in Appendix A.

### **4. General background**

#### **4.1 Past development**

The Department of Forestry was established in 1970 with substantial assistance from the Norwegian Government through NORAD. The department set-up was based on "A Plan for Forestry Education at Professional Level at Makerere University College, University of East Africa". This report was submitted to Makerere University College by NORAD in June 1967.

The report recommended a three year program on professional education and training for the entire East and Central Africa, with Uganda, Kenya and Tanzania as major countries.

From January 1970 to December 1973 NORAD provided a total of 15 teaching staff. The pioneer class (24 graduates) graduated at Makerere University in March 1973. Due to the decision by the Norwegian

Government to withdraw all NORAD personell from Uganda by the end of July 1973, the next class (22 graduates) finalized its studies at Nairobi University in December 1973. The 46 forestry graduates in the two classes came from Uganda (18), Kenya (10), Tanzania (12), Zambia (2), Rwanda (2), Nigeria (1) and Ethiopia (1).

After the Norwegian Government withdrew the NORAD assistance, the Ugandan Government and the Makerere University authorities decided to maintain the Department of Forestry. Due to this decision, the Department has survived to this very day.

In the meantime Kenya and Tanzania withdrew their students in 1975 after having established their own faculties of forestry at Moi University and Sokoine University of Agriculture respectively.

In 1975 the Department of Forestry received some assistance through UNDP/FAO Project UG 73/009 in the form of three teaching staff and some equipment. This program ended in March 1979 without achieving any significant development in the Department.

Since 1979 all forest students at the Department have been Ugandans.

#### **4.2 Present situation**

The Department of Forestry is one of the eight departments under the Faculty of Agriculture and Forestry:

1. Agricultural Economics
2. Agricultural Engineering
3. Agricultural Extension Education
4. Animal Science
5. Crop Science
6. Food Science and Technology
7. Forestry
8. Soil Science

The Faculty of Agriculture and Forestry changed from the three year curriculum to the new four year curriculum which was effective from October, 1989. This change adds important new subjects to the Department of Forestry curriculum such as Agroforestry, Social forestry, Environmental protection, etc.

More adequate time for practicals/field training is also possible after the change to the four year program.

The Department of Forestry also offers a M.Sc. program, but this has been almost impossible to implement owing to the financial situation, the shortage of lecturers, the lack of teaching aid and the difficult working situation for students and teachers.

At present the Department of Forestry has 13 scientific posts which are all filled with Ugandans (see Appendix I )

- 1 Professor (Ph.D)
- 3 Senior Lecturers (1 Ph.D, 2 M.Sc.)
- 5 Lecturers (2 Ph.D, 3 M.Sc.)
- 2 Assistant Lecturers
- 2 Teaching Assistants

The Department is suffering under a severe lack of essential means which are necessary to give the students adequate teaching. There is a severe shortage of textbooks, library books, periodicals and field training equipment.

The Department has too few offices and lacks teaching laboratories, sufficient library space, computer room and study space for M.Sc. students. Currently 10 lecturers share 5 offices and there is only one lecture room which is permanent available for the Department of Forestry.

This serious lack of space is caused by the following:

1. Increase in the B.Sc. degrees offered in the Departments of Food Science Technology, Department of Agricultural Extension Education and the Department of Agricultural Engineering.
2. The curriculum change from three to four years.
3. With the planned NORAD financed purchase of new text- and library books and computers, two offices have to be converted into library and computer room, displacing three lecturers.



4. With the planned NORAD financed purchased of new equipment and other teaching aid, in addition to books and computers, there will be a need for more storing space.

At present the Department of Forestry receives no financial support other than its appropriation from the Ugandan Government. For the academic year 1994/95 this amounted to just under NOK 600.000, out of that 52% was salaries.

#### **4.3. Development goals**

The following major goals are supposed to be achieved over the next five years.

1. Initiate and complete staff development training in the areas of Forest Biology, Forest Management, Forest Engineering, Wood Utilisation, Agroforestry and Environmental Protection. A total of four staff need to be trained in order to raise the expertise of the Department to eight members with the PhD degree.
2. Move from Department status to full Faculty status. Proposals for possible expansion to Faculty status have been presented to the University Visitation Committee appointed by the President. The Committee supported the proposals and recommended action in July 1987.
3. The highest wish of the Department is to have its own Forestry Building. The present Departement facilities in the Faculty of Agriculture and Forestry Building is far below satisfactory. An excellent site for a new building has been reserved since the Department was established in 1970. This site is less than 30 m from the present Faculty Building.

## 5. Comments on categories of teaching aid

At present the Department of Forestry has a maximum annual enrolment of 35 students. In November 1994 there were 129 forestry students in the department, of whom 20% were women.

Due to the purchase of books, vehicles, tents, field training equipment etc. the future annual enrolment of forestry students had to be decided. In agreement with the Head of the Department the maximum annual intake of forestry students in the coming 5-10 years should be 32. Hence, this report is based on an enrolment of 32 forestry (B.Sc.)- students per year.

### 5.1 Books etc. (Appendix C)

Before leaving Norway book catalogues from different publishers, and printouts from international databases on relevant forestry publications were sent to the Department. The team also brought with it to Kampala catalogues on books and teaching and training equipment.

As a general rule one basic textbook set of 34 copies was selected for each course. In a few cases more than one set of basic textbooks were necessary to cover the subjects in the course. In order to produce good handouts for the students, additional titles are recommended to be purchased as reference books.

The textbook sets are supposed to be lent out to the students from the beginning of the course and until the course exam is finished. Between the exams the textbooks should be locked up in two of the ordered steel cupboards. The team suggest that these cupboards are placed in the planned Department Library room.

Two extra copies of each textbook set should be ordered. One on these should be placed in the Department Library and one copy to be placed in the office of the teacher who is responsible for the course or a particular subject in the course. The back issues of the periodicals should be placed in the ordered pamphlet boxes and placed in the Department Library.

The list of textbooks and back issues of periodicals were sent for bids to Blackwell's, UK and Buchhandlung Kaiser, Germany. The team recommends that the books and periodicals are ordered through Blackwell's. This book supplier can sell the books at approximately 10%

lower price compared with the Kaiser supplier. Blackwell's also has long experience in delivering books to libraries in English-speaking African countries.

Two compendia (100 copies of each) will be ordered through Rotator, AUN and one ICRAF publication through ICRAF, Nairobi. One publication (100 copies) should be ordered through the Makerere University Printery, and photocopies of selected periodical articles about forestry in Uganda through the Main Library, AUN.

The lists of selected textbooks, compendia etc. are given in Appendix C.

## **5.2 Transportation means etc. (Appendix D)**

Due to lack of transport etc. the last 20 classes of graduates from the Department of Forestry have received no practical training, leaving a severe gap in their basic qualification in their forestry education.

For transport the team recommend to buy one Isuzu 26 seater bus and a 10 seater Toyota Land Cruiser. The Isuzu bus was selected due to competitive price and the fact that it is assembled in Nairobi. The same make of bus is used by several of the Makerere University departments. The Isuzu buses seem to perform well in Uganda, and the Kampala dealer was able to service the Isuzu buses in a satisfactory way.

The Toyota Land Cruiser is also used by several Makerere University departments and institutions. The car is competitive in price compared to its number of seats, and the Kampala dealer perform satisfactory service. The Toyota car will be equipped with a 1.5 ton locally made trailer.

For field training use the team recommends the purchase of tents, canvas beds, rainsuits and rubber boots which are listed in Appendix D together with the transport equipment.

## **5.3 Equipment and supplies (Appendix E)**

The team recommends the purchase of 13 computers (PC) and Perfect Office program. In the planned department computer room, which is adjacent to the library, there is only place for six PC's. The remaining seven should be placed in the offices of the staff members.

The supplier of Compaq computers in Kampala offers a free computer course together with each computer. The team suggests that all the 13 scientific staff members are required to follow this course.

The team recommends the purchase of 16 Leica microscopes, with two students sharing a microscope.

The 13 blinders are supposed to be mounted in the main Department lecture theater. This theater has no blinding facilities which makes the use of overhead or dias projector very difficult.

The Gestetner duplicator will be used to produce compendias and lecture notes for the students. The duplicator can be operated both by electric and manual power.

#### **5.4 Library and offices (Appendix F)**

Three former lecture offices will be converted into a combined library and computer room. The length and the width of this room will be 9.10m and 3.35m respectively. The size of the library room will be 6.9m times 3.35m (23m<sup>2</sup>) and the remaining 7.5m<sup>2</sup> (2.3m times 3.3m) will be used as computer room for six computers and one printer.

One Department Library Assistant will be appointed and paid by the University. This person should be placed in the library room. Beside being responsible for the library, including the textbook sets, the person should also be responsible for the use and maintenance of the Canon copier.

All books bought by the University department libraries have to be registered in the University Main Library catalogue. The University Main Library will have a computerised system in the near future.

The bookshelves which are mounted in the present library room will do for the time being. Two of the three steel cupboards will be placed in the library (textbook sets). One Compaq Presario PC, typewriter, photocopier, compact card catalogue cabinet, two steel cupboards, chairs, tables and other library equipment are in the list (Appendix F). This list also contains equipment and supplies for general office use in the Department.

## 6. The need for new Forestry Building

The need for new Department of Forestry Building can not be overemphasized.

At present the Department has 13 scientific posts. In view of the wide range of subjects, there are considerable gaps in the disciplines which are supposed to be covered. At present there is no qualified persons to teach central subjects on forestry biology and forest management.

With 128 B.Sc.-students the teacher-student ratio is 1:10. The plan is to increase the number of teaching staff to 15 over a five-year period. With field exercises in mind, which require more close follow-up by teachers compared to class-room teaching, a teacher-student ratio of 1:8.5 appears to be a reasonable target.

After two offices were taken away to create the new library and computer room, there are 6 offices left for 13 members of staff. With 15 staff there will be 2.5 staff per office. It will be difficult to create a conducive atmosphere for academic work both for students and staff under such severe lack of offices. There is also a severe lack of lecture rooms.

The construction cost of a new Forestry Building will be approximate USD 300 000 (NOK 2 mill). The two-story building (11x33m) should have the following rooms: 20 offices, 2 lecture rooms, 1-2 laboratories, 1 library, 1 PC room, 1 meeting room, toilets, stores, etc.

It is prerequisite for a good development of the Department that a new Forestry Building is built as soon as possible.

## **7. Institutional agreement.**

Fulfilling the precondition set by NORAD in TOR, the Noragric team in cooperation with the Management of the Makerere University has worked out a Memorandum of Agreement between Makerere University and Agricultural University of Norway. The Memorandum will act as the basic foundation for closer collaboration in different fields of forestry disciplines in the years to come. The Memorandum has been signed by the two Vice-Chancellor/Rector at the two universities and is presented in Appendix H In addition an Amendment to the Memorandum has been worked out by Noragric to strenghten the Noragric role to this arrangement.

## **8. Appendixes**

**Terms of Reference**  
**for**  
**A consultancy to Supply Equipment and Teaching Aids**  
**to**  
**The Department of Forestry, Makerere University, Uganda**

**1. Background**

The Governments of Uganda and Norway have agreed to cooperate in the field of forestry, including assistance to the Department of Forestry at the Makerere University.

The Department of Forestry is most fortunate in having a number of dedicated teachers, and motivated students, but the teaching suffers from a severe lack of i.a. basic textbooks, reference books and a variety of teaching aids.

Furthermore, the department needs means of transport in order to carry out field practicals, basic equipment for field and laboratory practicals, computers, microscopes, office equipment, etc.

The items to be provided as a result of this consultancy is meant as a fast and basic institution strengthening package. Other types of support needed by the department may result from cooperation of a more long term nature with NORAGRIC and the sister institution at the Agricultural University of Norway. This matter will be handled separately.

**2. Objective**

To produce lists of textbooks, reference books, and basic teaching aids, and to secure purchase, delivery and facilitate for the storage and use of such items.

**3. Scope of work**

In all matters mentioned below it is assumed that the Norwegian consultants cooperate very closely with the Head, Department of Forestry, and his staff, to ascertain the department's priorities. The department syllabi for the various courses shall constitute the basis for the work. In connection with this task, the consultants and the Head of Department of Forestry, Dr. J.R.S. Kaboggoza, should visit the Sokoine University of Agriculture, Tanzania, Moi University, Kenya and ICRAF, Kenya, to collect relevant information with regard to textbooks, reference books, compendia, etc.

- 3.1 Produce prioritized lists of the most relevant text books for students in each of the four year B.Sc. years, e.g. in accordance with the Standards for African Universities and the UNESCO Standard. These books are to be purchased in class



sets, e.g. one copy per two-three students.

- 3.2 Produce prioritized lists of the most relevant textbooks/reference books in each of the subjects taught (10-15 copies). These books are meant to serve as the individual teacher's "hand library". *4/2/21*
- 3.3 List the extra equipment needed by the department library for proper cataloguing, storage and lending of the above books.
- 3.4 Produce a list of the most urgently required, and relatively simple, equipment and material which will enable the teachers to produce notes and hand-outs for the students.
- 3.5 Produce lists of an appropriate amount of suitable teaching aids such as blackboards, overhead and slide projectors with necessary accessories, including demonstration material in the form of slide series (ref. FAO), etc.
- 3.6 Produce lists of the most basic equipment missing for proper teaching of laboratory and field practical classes, including transport means for field practicals.
- 3.7 Present concrete proposals on additional items for the institution strengthening package not indicated above (e.g. urgently needed office equipment), suitable for quick disbursement and not of the type which may be included in a possible long-term agreement on institutional cooperation.

When making the lists, due consideration shall be given to possible contributions from other donors.

All lists specified above shall contain exact numbers of each item, purchase costs of each item and freight costs from the supplier to Kampala.

All suggested purchases shall be based on tenders or fixed list prices and preference shall be given to possible suppliers in Kampala, in the Region and outside the Region, in that order, unless the prices delivered Kampala indicate otherwise.

#### **4. Team members, mode of work.**

- 4.1 The consultancy team from Norway shall consist of two persons; one from the Department of Forest Sciences, Agricultural University of Norway, preferably with teaching experience in tropical forestry in East Africa, and one being a professional librarian with general knowledge in tropical forestry sciences.
- 4.2 In Kampala, the team shall work in close collaboration with the Head, Department of Forestry, and his staff including librarians at the Department of Forestry and at the main university library.
- 4.3 The work shall start in Norway with the team seeking information on the

Department of Forestry, Makerere University's syllabi, searching for catalogues and making tentative lists.

- 4.4 After having received relevant catalogues, and tentative lists have been sent to and received by the Department of Forestry in Kampala, the team shall travel to Kampala for detailed discussions with the Department of Forestry. These discussions shall lead to detailed lists indicated above.
- 4.5 The final lists, with titles, descriptions, prices, names of suppliers and details concerning shipment and necessary arrangements in Kampala, together with a copy of the signed institutional agreement between Department of Forestry, Makerere University and NORAGRIC (Agricultural University of Norway), shall be presented to NORAD/Oslo not later than four weeks after the team has returned to Norway.
- 4.6 The total costs of the proposed institution strengthening package, excluding the cost of the consultancy, shall not exceed a sum of approximately NOK 3.0 mill.
- 4.7 The assistance indicated above is based on the condition that the Department of Forestry, Makerere University, Kampala, enters into an agreement on institutional cooperation with NORAGRIC/Department of Forest Sciences, Agricultural University of Norway.
- 4.8 Implementation of purchases and other NORAD financed inputs in relation to this institution strengthening package depends on the final approval of the Royal Norwegian Ministry of Foreign Affairs and will, if approved, be entrusted to NORAGRIC, based on a contract between NORAGRIC and NORAD.

Oslo, 27 February 1995

  
Gustav S. Klem

Head  
Natural Resources Management Division  
Norwegian Agency for Development Cooperation

  
Karl H Solberg

**PEOPLE AND PLACES VISITED 2-15 MAY 1995**

**UGANDA:**

Professor P.J. Szebuwufu - Vice-Chancellor Makerere University  
Dr. E.N. Sabuti - Dean, Faculty of Agriculture & Forestry  
Mr. J. Mugasha - Librarian, Makerere University  
Mrs. O. Mutibwa - Deputy Librarian, Makerere University  
Mrs. E. Nkalubo-Miwenba - Programme Administrator, Economic Policy  
Research Centre - Makerere  
Mrs. J. Adupa - Kawanda, National Agricultural Documentation and  
Information Centre (NADIC)  
Ms. Karin Mathiesen - Royal Norwegian Consulate (NORAD)  
Dr. J.R.W. Aluma - Director, Forestry Research Institute  
East African School of Librarianship  
Library - Institute of Teacher Education, Kyambogo (ITEK)

Prime Impex (U) Ltd. 15 Jinja Rd. P.O. Box 7414, Kampala.  
Real Metro Co. Ltd. P.O. Box 16690 Kampala  
Computer Point. Kimathi Avenue, Kampala  
Gestetner (U) Ltd. -Entebbe Road - Kampala  
Kazing Channel Enterprises: Entebbe Road - Kampala  
Walusinbi Garage - [Toyota dealer] Dewinton Road - Kampala  
Akamba (U) Ltd. - ISUZU Vehicles Dealer

A number of small shops and companies for market information and prices.

**KENYA:**

Moi University: Prof. J. Irina - Vice-Chancellor  
Moi University: Prof. Mutema - Principal Chepkoilel Campus  
Moi University: Prof. A. Sang - Dean, Faculty of Forestry  
Moi University: Dr. Kipkorei - Head, Dept. of Forestry  
Moi University: Shem Khamadi - Deputy Librarian  
Moi University: Margret Thatcher Library

ICRAF: Prof. A.B. Temu  
ICRAF: Mr. W. Umbrima - Head Librarian  
ICRAF: Mr. J. Kilo - Training and Information Officer

Burns & Blane Engineering  
CMC Engineering:  
    Chepkeiro Rd. P.O.  
    Box 43070 Nairobi,  
Bonar [EA]: Addis Ababa Rd. P.O. Box427559, Nairobi, Fax: 540920  
Mecol Ltd.: Commercial Street, P.O. Box 49861, Nairobi, Fax: 532502

**TANZANIA:**

SUA: Prof. Chamshama - Dean, Faculty of Forestry  
SUA: Staff of Faculty of Forestry (P.T.O.)  
Ms. E.V: Chiduo - Director, Sokoine National Agricultural Library  
Erik Bergh. & Joha Mapondela - Noragric Office, Dar es Salaam  
Osvold Haugbotn - The Royal Norwegian Embassy (NORAD),  
    Dar es Salaam

**TEXT BOOKS & REFERENCE BOOKS**

(FO 201: + FO 202: Silviculture I & II) (FO 305: Tree Improvement)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
1.	P.W. Richards. <u>Tropical Rain Forest</u> . Cambridge University. 1992 ISBN 0-521-42194-2 (2 nd. ed.)	ca. *40.00	34	1360	Text book
2.	L. Pancel (ed) <u>Tropical Forestry Handbook</u> . Vol. 1 & 2. Springer-Verlag, 1993. ISBN 3-540-565420-9	DM 698	2	DM 1396	Reference
3.	Adams, W.T., S.H. Strauss, D.L. Copes & A.R. Griffin (eds) <u>Population Genetics of Forest Trees</u> . Kluwer Academic Pub. ISBN 0-7923-0460-8	* 64.25	34	* 2056	Text book
4.	Redhead, J.F., J.B. Hall: <u>Tropical Forestry</u> . Longman. 1993 ISBN 0-582-77522-1		2		Reference
5.	<u>Forest tree improvement, 1985</u> . FAO. Forestry paper no. 20		34		Textbook
6.	<u>A guide to forest seed handling, 1985</u> . FAO Forestry paper		34		Textbook

DM : Price in German Marks

\* : Price in British Pounds

## (FO 204: Forest Road Construction) (FO 208: Logging operations)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
7	U. Sundberg & C.R. Silversides. <u>Operational efficiency in Forestry. Vol. 1&amp;2</u> Kluwer ISBN 90-247-3684-6	* 65	2	* 130	Reference
8	K.A.G. Staaf & N.A. Wiksten. <u>Tree Harvesting Techniques</u> . Dr. W. Junk Pub., Kluwer 1984 ISBN 90-247-2994-7	* 80.75	2	* 161.50	Reference
9	FAO. <u>Cost control in forest harvesting and road construction</u> . FAO Forest Papers 99, 1992. ISBN 92-5-103161-4	-	2	-	Reference
10	Kantola, M.B Virtanen, K.: Handbook on appropriate tecnology for forestry operations in development countries. Part I /Part II. Finnida. ISBN 951-46-9589-5		34		Textbook
11	<u>Model code of forest harvesting practice</u> . FAO. Forestry paper. 199?	-	34	3200	Textbook
12	Grant, E.L., Ireson, W.G., Leavenwobb, R.S.: <u>Principles of engineering economy</u> . 8 ed. John Wiley & Sons. 1990 ISBN 0474-63526-X		2		Reference
13	Conway, Seteve: <u>Logging practices. Principles of Timber Harvesting Systems</u> . rev. ed. Miller Freeman Publications, Inc. ISBN 0-87930-144-9 (SoftCover).		2		Reference
14	Peurijoy, Robert L., William B. Ledbeller.: <u>Construction planning, equipment and methods</u> . Mcraw-Hil Book Company. 2nd. printing 1986 ISBN 0-07-049763-x	* 57	2	* 114	Reference
15	Beer, Ferdinand P., E. Russell Johnston, jr.: <u>Mechanics for Engineers: Dyamics</u> . 4ed. McGraw-Hill Book Company 1987 ISBN 0-07-004582-8		2		Reference

## (FO 301: Forest Fires)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
16	Goldammer, J.G.:ed: Fire in the Tropical Biota. Ecological Studies 84. Springer ISBN 3-540-52115-1	DM 298	2	DM 596	Reference
17	Booyesen, P.de.U., N.M Taintor: Ecological Effects of Fire in South African Ecosystems. Ecological Studies 48. Springer 1984 ISBN 3-540-13501-4	DM 98	2	DM 196	Reference

## (FO 302: Forest Pathology) (FO 303: Forest Entomology)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
18	I.A. Gibson. <u>Diseases of forest trees widely planted as exotics in the Tropics and Southern hemisphere</u> . Commonwealth Mycological Institute, Kew, London, 1975. ISBN 0-85198-3146 St. Mut Publication date. ISBN 0-85074-036-3	45	34	1440	Text book
19	Szujecki, A. <u>Ecology of Forest Insects</u> . Series Entomologia 26. Kluwer Academic Pub., 1986. ISBN 90-6193-136-3	* 199.75	1	* 199.75	Reference
20	Wagner, R. Michael, S.K.N. Atuahene, J.R. Cobbinah <u>Forest Entomology in West Africa: Forest Insects of Ghana</u> . Series Entomologia 47. Kluwer Academic Pub., 1991. ISBN 0-7923-1026-8	* 58.95	1	* 58.95	Reference
21	Dent, D. <u>Integrated Pest Management</u> . Kluwer Academic Pub., 1995. ISBN 0-412-57370-9	* 40.00	1	* 40.00	Reference
22	House, P. & I. Stevens <u>Insect Pheromones and their use in pest management</u> . Agriscience BCS, UK, 1995. ISBN 0-412-44410-0	* 19.00	2	* 39.98	Reference
23	Speight, M. and Wainhouse, D. <u>Ecology and Management of forest insects</u> . Clarendon Press-Oxford. 1990 ISBN 0-19-854161-9 (Bovior, D.J.)	* 33.95	34	* 1154.30	Text
24	Borror, D.J. Triplehorn, C.A. Johnson, N.F.: <u>Introduction to the study of Insects</u> . 6 ed. SCP. 1989 ISBN 0-03-025397-4	\$ 57	2	\$ 114	Reference
25	<u>Outlines of Entimology</u> . A.O. Imms. Chapman and Halls. 1988 ISBN 0412266806		2		Reference
26	<u>Ecological methods with particular reference to the study of insect populations</u> . T.R.E. Southwood. Halsted Press. 1978 ISBN 0-470-26410-1		2		Reference
27	<u>Workshop Proceedings: exotic aphid pests of conifer. A crisis in African forestry, Muguga, Kenya 3-6 June 1991</u> . FAO. 1991		2		Reference

\* : Price in British Pounds.



## (FO 407: Environmental Protection)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
28	Adams, W.M. Green Development: Environment and Sustainability in the Third world. Routledge, 1992 ISBN 0-415-080509	* 12.99	2	*25.98	Reference
29	Bolin, B.; B.R. Doos; J Jager & R.A. Warrick (eds) The Greenhouse effect. Climatic change and Ecosystems. SCOPE 29. Wiley, 1990 ISBN 0-471-92635-3.	59.95	2	119.90	Reference
30	World Development Report. 1992.: Development & the Environment World Bank 1992 ISBN 0-8213-2072-6 Washington DC	16.95	1	16.95	Reference
31	W.L Adamowicz & W.E. Phillips Forestry and the Environment: Economic Perspectives. CAB Int., 1993. ISBN 0-85198-827	* 66.50	2	* 133.00	Reference

## (FO 312 + FO 203: Forest Mensuration) (FO 304: Operations Research)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
32	Avery T.E. & G.L. Berlin. <u>Interpretation of Aerial photographs.</u> 1992 New ed.	-	2	-	Reference
33	D.P. Dykstra. <u>Mathematical programming for Natural Resources management.</u> McGraw-Hill, 1984 ISBN 0-07-018552-2	42.20	34	1434.80	Text book
34	Sohlberg, S. & V.E. Sokolov <u>Practical Application of Remote Sensing.</u> Kluwer Academic Pub., 1986. ISBN 90-247-3392-8	* 49.75	2	99.50	Reference
35	M.S. Philip. <u>Measuring trees and Forests.</u> Aberdeen University Press 2 nd. ed. CAB Int. 1993. ISBN 0-85198-883-0	\$ 46.5	34	\$ 1581	Text book

\* : Price in British Pounds.

## (FO 205: Forest Economics)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
36	Thomas Sterner <u>Economic Policies for sustainable development.</u> Kluwer Academic, 1994. ISBN 0-7923-2680-6	* 76.00	1	* 76.00	Reference
37	Onno J. Kulik & H. Verbruggen: <u>In search of Indicators of sustained Development.</u> Kluwer Academic, 1991. ISBN 0-7923-1249-x	* 37.50	2	* 75.00	Reference
38	Ron Janssen: <u>Multiobjective decision support for Environmental Management.</u> Kluwer Academic, 1992. ISBN 0-7923-1908-7	* 82.75	1	* 82.75	Reference
39	W.L. Adamowicz, P.C. Boxall, M.K. Luckert, W.E. Phillips & W. White: <u>Forestry. Economics and the Environment.</u> Kluwer Academic, 1992. ISBN 0-85193-982-9	* 40.00	2	* 80.00	Reference
40	Colin Price: <u>Time Discounting &amp; Value.</u> Blackwell. 1993 ISBN 0-631-17986-0	* 24.95	2	49.90	Reference
41	Colin Price.: <u>The Theory and Application of Forest Economics.</u> Blackwell, Oxford, 1989 ISBN 0-631-15366-7		34		Text book

\* Price in British pounds

## (FO 207: Forest Hand tools) (FO 210: Work Science and Safety)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
42	E. Grandjean. <u>Fitting the task to the man.</u> 4th. ed. Taylor & Francis. London & Philadelphia. 1988 ISBN 085066-379-2	39	2	78	Reference
43	<u>Introduction to ergonomics in forestry in developing countries.</u> FAO Forestry paper 100. 1992 ISBN 92-5-103-177-0		34	4036	Textbook

## (FO 308: Management Planning) (FO 404: Accounting and Budgeting)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
44	Davis, L.S. & N.K. Johnson. <u>Forest Management</u> . 3rd ed. McGraw-Hill Inc., 1987. ISBN 0-07-032625-8	-	34	-	Text book
45	Clutter et al. <u>Timber Management: A quantitative Approach</u> . Krieger. 1992 ISBN 0-89464-747-4	51.50	2	103	Reference
46	Openshaw, Kelth.: <u>Cost and Financial accounting in Forestry..a practical Manual</u> . Pergamoth Press. ISBN 0-08-021455-X (Paperback)	* 16-25	34	*552.50	Text book
47	Little, J.M.D. & Mirrlers, J.A.: <u>Project appraisal and Planning for development Countries</u> . Gower Pub. Co. 1988 ISBN 0566056763	* 17.95	2	* 35.90	Reference
48	Guidlines Project Evaluation- United Nations 1972 Sales no. E.72.11.B.11 (or newer) ISBN 92-1-106084-2	256.00	2	50.00	Reference
49	<u>Economic analysis of forestry projects</u> . 1979. FAO. Forestry paper 17		34		Textbook
50	<u>Mixed and pure forest plantation in the tropics and subtropics</u> . FAO Forestry paper 103. 1992 ISBN 92-5-103216-5		2	228	Reference

## (FO 406: Forestry Hydrology and Watershed Management) (FO 315: Recreational and Landscape Forestry).

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
51	Pereira, H.C. <u>Policy and Practice in the Management of Tropical Watersheds</u> . Westview, 1989 ISBN 0-8133-7731-5	29.85	34	1014.70	Text book
52	Bruijnzeel, L.A. <u>Hydrology of Moist Tropical Forests and Effects of Conversion: A state of knowledge Review</u> . UNESCO, Paris, 1990	-	2	-	Reference
53	Seabrooke, W. & C.W.N. Miles. <u>Recreation Land Management</u> . Spon, London, 1993.	-	2	-	Reference
54	Patmore, J.A. <u>Recreation and Resources</u> . Blackwell, Oxford, 1984 ISBN 0-631-11551-X	-55.00	2	110	Reference
55	Swanson, R-H. & Bermeier, P.Y, eds: <u>Forest Hydrology &amp; Water Shed Management</u> . IAHS Publications no. 167. 1987	* 34.37	2	* 68.74	Reference

## (FO 407: Biodiversity Conservation &amp; Management)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
56	Boo, E. <u>Ecotourism: The Potentials and Pitfalls</u> . Volume 1 & 2. WWF (1990). World Wide Fund Washington DC. ISBN 0-942635-16-7	22.50	34	765	Text book
57	WTO and UNEP <u>Guidelines: Development of National Parks and Protected Areas for Tourism</u> . UNEP, H.M.S.O. Nairobi, 1992. ISBN 92-844-0026-0	* 22	2	* 44	Reference
58	Perrings, C.A., Karl-Goran Maler, C.Folke. C.S. Holling, Bengt O. Jansson. <u>Biodiversity Conservation: Problems and Policies</u> . Kluwer Academic, 1994. ISBN 0-7923-3140-0	170	1	170	Reference
59	IUCN <u>Report of the Global Biodiversity Forum</u> . IUCN, 1993. ISBN 2-8317-0219-4	7.50	2	15.00	Reference
60	Pearce, D. & D. Moran <u>Economic value of Biodiversity</u> . IUCN, 1994. ISBN 1-85383-195-6	19.50	2	39.00	Reference
61	IUCN <u>Guidelines for Protected Area Management Categories</u> . IUCN, 1994. ISBN 2-8317-0201-1	15.00	2	30.00	Reference

## (FO 307: Agroforestry) (FO 314: Community Forestry) (FO 313: Non-timber Products)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
62	Clay, J.W. <u>Indigenous People and Tropical Forests: Models of land use and management</u> . Cultural Survival, Mass, 1988 ISBN 0-939521-32-6	8	2	16.00	Text book
63	Ascher, William <u>Communities and Sustainable Forestry in Developing Countries</u> . ICS Press, 1995. ISBN 1-55815-419-1	9.95	2	19.90	Reference
64	Swinkels, R.A. & S.J. Scherr <u>Economic Analysis of Agroforestry Technologies: An annotated Bibliography</u> . 1991. TRIOPS 44.050.11	DM 38.00	1	DM 76.00	Reference
65	Eckerberg, K., Frykman, B.: Working paper - Swedish University of Agriculture Sciences, International Rural Development Centre (Sweden), no. 131. <u>Review of community forestry extension/communications training in Kenya and Uganda</u> . Report on a mission to Malawi, Kenya and Uganda 8-29 october 1989. Uppsala (Sweden) 1990, 85 p. ISBN 91-576-4132-3. Uppsala (Sweden), 1990		2		Reference
66	Warner, K.: <u>Patterns of farmer tree growing in eastern Africa: a socioeconomic analysis</u> . Oxford Forestry Institute, Oxford, UK. Tropical Forestry Paper 27. 1993 ISBN 0-85074-126-2		2		Reference

DM : Price in German Marks

## (FO 209: Wood properties) (FO 309: Wood Preservation)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
67	J.G. Haygreen & J.L. Bower. <u>Forest Products and Wood Science: An Introduction</u> . 2nd ed. IOWA STATE UNIVERSITY PRESS 1989 ISBN 0-8138-1801-x		2	-	Reference
68	Nair, P.K.R. <u>An introduction to agroforestry</u> . Dordrecht (Netherlands): Kluwer in cooperation with ICRAF.	\$ 30	34	\$ 1020	Textbook
69	Darrel, D. Nicholas: <u>Wood deteriorations and its prevention by preservative treatments</u> . Vol. 1&2. ISBN 0-8156-2285-6 Vol. 1 ISBN 0-8156-2303-8 Vol. 2 Syracuse University Press	* (37 x 2)	2	* 148	Reference
70	Schmiewind, A.P.: <u>Concise Encyclopedia of Wood &amp; wood-based materials</u> . Elsevier 1989 ISBN 0-08-034726-6	157	2	314	Reference
71	Bachmich, J.L.: <u>Dry kiln Haus</u> . Miller Freeman: H.A. Simonds INT. Ltd. Vancouver. ISBN 0-87930-087-6	50.00	2	100.00	Reference
72	<u>Wood Handbook. Forest Service Agriculture Handbook, no. 72</u>		2		Reference
73	Tillman, D.A.: <u>Wood as an Energy Resource</u> . Academic Press. N.Y. ISBN 0-12-691-260-2	59.00	2	118.00	Reference
74	Raina, R.K.: <u>Rehabilitation prospects of Kiira Sawmills and Plywood Factory Ltd. Bundongo Sawmills Ltd and Nakawa Research Sawmills, Uganda (A preliminary study)</u> . Project for the Preferential Trade Area for Eastern and Southern Africa States (PTA). Lusaka (Zambia), 1990. Report no.: FAO-FO-DP/RAF/87/117. FAO Accession No:XF92:315405		2		Reference



## (FO 311: Wildlife Ecology) (FO 403: Resource Management)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
75	Pomeroy, L.R., J.J. Alberts. eds: <u>Concepts of Ecosystem Ecology</u> . Ecology Studies 67. Springer. 1988 ISBN 3-540-96686-2	DM 128	34	DM 4352	Text book
76	Anderson, D. & R. Grove (ed) <u>Conservation in Africa: People, policies and Practice</u> . Cambridge Univ. Press, 1987. ISBN 0-521-34990-7	* 22.95	2	* 45.90	Reference
77	D.W. Pearce & K.R. Turner. <u>Economics of Natural Resources and the Environment</u> . Johns Hopkins. ISBN 08018-3987-4	19.50	34	636	Text book
78	Jain, S.K. & L.W. Botsford <u>Applied Population Biology</u> . Kluwer Academic Pub., 1992. ISBN 0-7923-1425-5	* 84.95	1	* 84.95	Reference
79	Sayer, J.A., C. S. Harcourt & N.M. Collins <u>The Conservation Atlas of Tropical Forests</u> . IUCN, 1992. ISBN 0-333-57757-4	115.00	1	115.00	Reference
80	Makombe, K. <u>Wildlife, People and Development in Africa</u> . IUCN, 1993. ISBN 2-8317-0193-7	10.00	2	20.00	Reference
81	Howard, P.C.: <u>Nature conservation in Uganda's tropical forest reserves</u> . IUCN. Forest Conservation Programme no. 3. International Union for Conservation of Nature and Natural Resources (IUCN) Gland, Switzerland. 1991 ISBN 2-8317-0085-x		2		Reference
82	Beaucerk, J.: <u>Hunters and gathers in Central Africa: on margins of development</u> . Oxfam Research Paper (no. 6) Publisher Oxfam Publications Department, OXFAM Oxford, UK. 1993 ISBN 0-85598-191-1		2		Reference

## ( FO 401: Forest Policy &amp; Law)(FO 403: Forest Administration)(FO 306: Accounting &amp; Budgeting)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
83	Cubbage, C.W.: <u>Forest Resource Policy: Processes, Participants and Programs</u> , Wiley & Sons, 1993. ISBN 0471622451	* 61.00	34	* 2074	Text book
84	Repetto, R. & M. Gillis (eds) <u>Policies and misuse of Forest Resources</u> , Cambridge Univ. Press, 1989 ISBN 0521335744	* 27.95	2	* 55.90	Reference
85	<u>Stoddard Essentials of Forestry Practice</u> , 4th ed. 1987. ISBN 0471842370	* 61.00	2	* 122.00	Reference
86	<u>Guidelines for forest policy formulation</u> , 1987, FAO. Forestry paper		34		Textbook
87	<u>Our Common Future World Commission on Environment &amp; Development</u> .	* 7	2	* 14	Reference

\* : Price in British Pounds

## (Miscellaneous)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
88	Poore, M.E.D. & C. Fries.: <u>Ecological effects of Eucalyptus</u> . FAO Forestry Paper 059, 1988. ISBN 92-5-102286-0	DM 14.30	2	DM 28.60	Reference
89	Whitmore, T.C. & J.A. Sayer.: <u>Tropical Deforestation and Species</u> . IUCN, 1992. ISBN 0-412-45520-x	25.50	2	51.00	Reference
90	O'Keefe, P.J. B. Wismerø. eds.: <u>Land use and development</u> . International African Institute. London. 1977. (African Environment Special report 5) ISBN 0-8357-3023-9 (facsimile)	65.40	34	2223.60	Textbook

DM : Price in German Marks.

DICTIONARIES

S.no.	Title & Volume numbers	Total no. of volumes	Total no. of issues	Price \$
91	<u>Dictionary of Biology</u> , Edwin B. Steen. HarpC. ISBN 0-06-318241-6.	15.50	1	15.50
92	<u>Shorter Oxford English dictionary</u> - Oxford 1994 ISBN 0198631421	* 95.00	1	95.00
93	Blundell, S.M.: <u>Field Guide to Wild Flowers of East Africa</u> . Collins 1987 ISBN 0002198126		1	
94	<u>Field Guide to Wild Animals in East Africa</u> . Collins		1	

\* Price in British pounds

## JOURNALS (Back Issues)

S.no.	Title & Volume numbers	ISSN	Total no. of volumes	Total no. of issues	Price \$
1	Forestry Abstracts, CAB Int. Vol. 46-54 1985-95	0015-7538	11	-	*3648.00
2	Forest Ecology and Management, Volumes 71-79	0378-1127	9	27	1492.00
3	Biological Conservation, Volumes 71-74. EAS 2008	0006-3207	4	12	894.00
4	Biomass & Bioenergy, Volumes 8-9.	0961-9534	2	12	558.00
5	Forestry Products Abstracts, CAB Int. Volumes 16-17	0140-4784	2	-	372.00
6	World Development Report, Volume 23. PP 386	0305-750x	1	12	865.00
7	Agroforestry Abstracts, CAB Int. Volume 6 & 7	0952-1453	2	-	291.00
8	Environmental Conservation, Volume 22	0376-8929	1	4	213.00
9	UNASYLLVA, FAO Volume 26-46 1990-95	0041-6436	10	-	136.50
10	Agroforestry Systems, 1993-95	0167-4366	3	8	140.00
11	Journal of Rural Studies, Volume 11.	0743-0167	1	4	306.00
12	Journal of Tropical Forest Science, Forest Research Institute of Malaysia (FRIM) 1988-1995	0128-1283	8	-	480.00
13	Remote Sensing of Environment, 1990-1994	0034-4257	6	-	-
14	Journal of Forest Engineering, Department of Forest Engineering, 1989-1995 University of Brumswick, P.O. Box 4400, Fredericton, NB, Canada E3B 5A3	0843-5243	7	-	100

\* Price in British pounds

## Rotator

(FO 209: Compendia )(FO 208 Compendia)

S.No	Description	Unit price	Quantity	Total Price (in N.Kr.)	REMARKS
94	Ishengona, R.C., Nagoda, L.: Solidwood. 282 pages. AUN February 1991 Rotator		100 copies (3 class sets)	15,000,-	Text book
95	Ole- Meiludic, R.E.L., Skaar, R.: Compendium in Forest Engineering. 157 pages. AUN December 1990 Rotator.		100 copies (3 class sets)	12,000,-	Reference

## Nakawa

(FO 209: Wood properties) (FO 309: Wood Preservation)

S.No	Description	Unit price (USD)	Quantity	Total Price	REMARKS
102	Raina, R.K.: Rehabilitation prospects of Kiira Sawmills and Plywood Factory Ltd, Bundongo Sawmills Ltd and Nakawa Research Sawmills, Uganda (A preliminary study). Project for the Preferential Trade Area for Eastern and Southern Africa States (PTA). Lusaka (Zambia), 1990. Report no.: FAO-FO-DP/RAF/87/117. FAO Accession No:XF92:315405		2		Reference

(FO 307)

S.No	Description	Free of charge	Quantity	Total Price (in N.Kr.)	REMARKS
98	Opiro, K.L. : <u>Farm forestry project - Mpigi District</u> . Uganda. 1991		1		
99	Opiro, K.L. : <u>Tree seedlings /Seeds survival survey for the period December 1989 to Aug. 1991 for Mpigi District</u> . Uganda. 1991		1		

(FO 308)

S.No	Description	Free of charge	Quantity	Total Price	REMARKS
100	Drichi, P. <u>The national biomass study in geo-information systems (GIS) perspective</u> . 1991 Uganda		1		

(FO 308)

S.No	Description	Free of charge	Quantity	Total Price	REMARKS
101	Opiro, K.L.: <u>Tree nursery establishment and management. Workshop on sustainable agriculture for development promoters of Kampala</u> . Kampala (Uganda), 1991		1		



(FO 307)

Makerere University Printery

S.No	Description	Unit price	Quantity	Total Price	REMARKS
97	ICRAF Agroforestry Notes, Makerere Univ. Printery	27.00	100	2700.00	Text book

ICRAF

(FO 307)

S.No	Description	Unit price	Quantity	Total Price	REMARKS
96	Harwood, C. E.: <i>Grevillea robusta</i> in agroforestry and forestry: proceedings of an international workshop. ICRAF. 1992 ISBN 92-9059-0971		1		

Equipment List

Qty	Description	Valuta	Unit price	Total price	Price in NOK	Suppliers
<b>TRANSPORTATION MEANS ETC:</b>						
1	ISUZU 26 seater Coaster bus 3.3L diesel Model: NPR 575 W. roof Naek, CIF Kampala	USD	25,945	25,945	168,643	Akamba (Uganda) Ltd., Kampala
1	Toyota Land Cruiser II, 10 seater, 2,98L Diesel, Model KZJ77RU-MNX, w. roof nark, pintle hook CIF Kampala	YEN	3,172,300	3,172,300	244,267	Walusimbi's Garage Ltd., Kampala
1	Land Cruiser II trailer (1.5 ton) CIF Kampala	USD	3,625	3,625	23,563	<del>GM Company, Kampala</del> <i>GM Company, Kampala</i>
3	Tarpuline for bus, Land Cruiser and trailer. (4x8)	NOK	600	1,800	1,800	Casa Solera A/S, Ås
10	<i>10 g</i> CIF Ås Tent, 3,65x5,55, Model: Marsabit with Groundsheets, CIF Kampala	NOK	100	800	37,245	<del>---</del> BONAR Kenya Exports, Nairobi
40	Folding bed (steel and canvas) size 183x61 CIF Kampala	USD	95	3,800	24,700	BONAR Kenya Exports, Nairobi
40	Rain suit, CIF Ås	NOK	528	21,120	21,120	Casa Solera A/S, Ås
40	Field bag, CIF Ås	NOK	163	6,520	6,520	Casa Solera A/S, Ås
40	Rubber boot, CIF Ås	NOK	250	10,000	10,000	Casa Solera A/S, Ås
	Duty on tents and beds	USD		2,000	13,000	
	<b>SUM TRANSPORTATION MEANS ETC.</b>				<b>550,857</b>	

CONVERSION OF VALUTA

- 100 UGS = 0.70 NOK
- 100 KES = 14.50 NOK
- 100 YEN = 7.70 NOK
- 1 USD = 6.50 NOK

Equipment List

Qty	Description	Valuta	Unit price	Total price	Price in NOK	Suppliers
<b>EQUIPMENT AND SUPPLIES</b>						
100	Ranging v tape (roll 100m), CIF Oslo	NOK	8,40	840	840	Bjørnrud + Arnestad A/S, Oslo
34	Chain relascope, CIF Oslo	NOK	75,00	2,550	2,550	Bjørnrud + Arnestad A/S, Oslo
8	BMI distance tape(30m), CIF Oslo	NOK	245,00	1,960	1,960	Bjørnrud + Arnestad A/S, Oslo
16	Diameter tape 3m, CIF Oslo	NOK	105,00	1,680	1,680	Bjørnrud + Arnestad A/S, Oslo
8	SUUNTO increment borer (20cm), CIF Oslo	NOK	826,00	6,608	6,608	Bjørnrud + Arnestad A/S, Oslo
2	SUUNTO increment borer (40cm), CIF Oslo	NOK	1116,00	2,232	2,232	Bjørnrud + Arnestad A/S, Oslo
2	Extra spoon (20cm), CIF Oslo	NOK	136,00	272	272	Bjørnrud + Arnestad A/S, Oslo
8	SUUNTO mirror compass Model MCI, CIF Oslo	NOK	300,00	2,400	2,400	Bjørnrud + Arnestad A/S, Oslo
20	Bow saw bow Model 9-36, CIF Oslo	NOK	115,00	2,300	2,300	Bjørnrud + Arnestad A/S, Oslo
80	Bow saw blade Model 5136, CIF Oslo	NOK	43,00	3,440	3,440	Bjørnrud + Arnestad A/S, Oslo
8	SUUNTO hypsometer, CIF Oslo	NOK	783,00	6,264	6,264	Bjørnrud + Arnestad A/S, Oslo
4	SUUNTO Climometer model PMS/YOU PC, CIF Oslo	NOK	783,00	3,132	3,132	Bjørnrud + Arnestad A/S, Oslo
1	Angle prism Model F1, CIF Oslo	NOK	1225,00	1,225	1,225	Bjørnrud + Arnestad A/S, Oslo
20	Sandvig pruning saw Model 386, CIF Oslo	NOK	177,00	3,540	3,540	Bjørnrud + Arnestad A/S, Oslo
4	Sandvig pruning saw handle (5m), CIF Oslo	NOK	423,00	1,692	1,692	Bjørnrud + Arnestad A/S, Oslo
6	Caliper (60cm), CIF Oslo	NOK	285,00	1,710	1,710	Bjørnrud + Arnestad A/S, Oslo
32	Stereoscope Model B&A, CIF Oslo	NOK	336,00	10,752	10,752	Bjørnrud + Arnestad A/S, Oslo
32	Stereoscope stand, CIF Oslo	NOK	55,00	1,760	1,760	Bjørnrud + Arnestad A/S, Oslo
8	Puma time study watch w. battery, CIF Oslo	NOK	230,00	1,840	1,840	Bjørnrud + Arnestad A/S, Oslo
40	Ranging rod, steel (1.5m), CIF Oslo	NOK	75,00	3,000	3,000	Bjørnrud + Arnestad A/S, Oslo
32	Area diagram (set of 3), CIF Oslo	NOK	105,00	3,360	3,360	Bjørnrud + Arnestad A/S, Oslo
4	Road planning rod (set), CIF Oslo	NOK	560,00	2,240	2,240	Bjørnrud + Arnestad A/S, Oslo
32	Magnifying lens, CIF Oslo	NOK	71,00	2,272	2,272	Bjørnrud + Arnestad A/S, Oslo
20	HULTAFORS plank caliper Model 433, CIF Oslo	NOK	40,00	800	800	Bjørnrud + Arnestad A/S, Oslo
2	SFI plantinghoe, CIF Oslo	NOK	154,00	308	308	Bjørnrud + Arnestad A/S, Oslo
8	Timber scaler umbrella, CIF Oslo	NOK	130,00	1,040	1,040	Bjørnrud + Arnestad A/S, Oslo
8	Veneer caliper, CIF Oslo	NOK	256,00	2,048	2,048	Bjørnrud + Arnestad A/S, Oslo
2	Thermometer (range 0- +150), CIF Oslo	NOK	100,00	200	200	Bjørnrud + Arnestad A/S, Oslo
8	Barometer Model 10128, CIF Oslo	NOK	180,00	1,440	1,440	Bjørnrud + Arnestad A/S, Oslo
4	STIHL chainsaw, model 025, CIF Ås	NOK	3990,00	15,960	15,960	Casa Solera A/S, Ås
5	Chainsaw blades, 14"-0.325", CIF Ås	NOK	316,00	1,580	1,580	Casa Solera A/S, Ås
20	Sawchain, 14"-0.325", CIF Ås	NOK	146,00	2,920	2,920	Casa Solera A/S, Ås
50	Chain files, 4.8mm round, CIF Ås	NOK	10,00	500	500	Casa Solera A/S, Ås
10	Chain files, 6" flat round, CIF Ås	NOK	24,00	240	240	Casa Solera A/S, Ås
4	Filing support, CIF Ås	NOK	90,00	360	360	Casa Solera A/S, Ås
4	File handle, CIF Ås	NOK	10,00	40	40	Casa Solera A/S, Ås
4	File holder, CIF Ås	NOK	64,00	256	256	Casa Solera A/S, Ås

Equipment List

4	Chain gauge, 0325", CIF Ås	NOK	25,00	100	100 Casa Solera A/S, Ås
4	Fuel container, red, CIF Ås	NOK	225,00	900	900 Casa Solera A/S, Ås
4	Felling lever, 1.3m, CIF Ås	NOK	500,00	2,000	2,000 Casa Solera A/S, Ås
16	Axe, 1.2kg, CIF Ås	NOK	205,00	3,280	3,280 Casa Solera A/S, Ås
16	Axe file, 8", CIF Ås	NOK	33,00	528	528 Casa Solera A/S, Ås
8	Splitting sledge, 3kg, CIF Ås	NOK	320,00	2,560	2,560 Casa Solera A/S, Ås
4	Protecting froûsers, 50, 52, 53, 54, CIF Ås	NOK	648,00	2,592	2,592 Casa Solera A/S, Ås
4	Suspenders, CIF Ås	NOK	78,00	312	312 Casa Solera A/S, Ås
40	Work gloves, CIF Ås	NOK	34,00	1,360	1,360 Casa Solera A/S, Ås
4	Helmet complete, orange, CIF Ås	NOK	340,00	1,360	1,360 Casa Solera A/S, Ås
8	Timber tongues, CIF Ås	NOK	168,00	1,344	1,344 Casa Solera A/S, Ås
1	Gestetner duplicator, Model 4030, CIF Kampala	UGS	1,850,000	1,850,000	12,950 Gestetner (U) Ltd., Kampala
50	Casio pocket calculator, Model FX115S, CIF Ås	NOK	396	19,800	19,800 Casa Solera A/S, Ås
2	Leica dias projector, Model P300m, 150mm lens w.16 kassettes, 3 spare lamps, cable, CIF Ås	NOK	7,821	15,642	15,642 Casa Solera A/S, Ås
2	DA-Lite projector screen (180cmx180cm), wall, CIF Ås	NOK	1,645	3,290	3,290 Casa Solera A/S, Ås
1	DA-Lite projector screen (180cmx180cm) floor, CIF Ås	NOK	1,495	1,495	1,495 Casa Solera A/S, Ås
10	Silent Gliss blinders (180cmx1,75cm), CIF Ås	NOK	2,942	29,420	29,420 Casa Solera A/S, Ås
3	Silent Gliss blinders (80cmx205cm), CIF Ås	NOK	1,752	5,256	5,256 Casa Solera A/S, Ås
2	Bollman wood moisture meter, Model H-DT-3.3, CIF Stavem	NOK	3,250	6,500	6,500 Elektrisk Strålevarme A/S, Stavem
16	Leica Microscope, Model ATC 2000, CIF Ås	NOK	8,445	135,120	135,120 ITAS A/S, Ås
1	Mettler electric balance Model PB3002DR Capacity 0-3100 Capacity 0-3100, CIF Ås	NOK	12,990	12,990	12,990 ITAS A/S, Ås
1	Calibration Mass, CIF Ås	NOK	620	620	620 ITAS A/S, Ås
1	Leica Jung microtom Model 1400 w. 50 knives, CIF Ås	NOK	60,515	60,515	60,515 ITAS A/S, Ås
1	Feather microtome knife holder, CIF Ås	NOK	6,080	6,080	6,080 Casa Solera A/S, Ås
2	3M OH-projector, Model 9200, CIF Ås	NOK	5,467	10,934	10,934 Casa Solera A/S, Ås
84	Extra bulb, CIF Ås	NOK	70	350	350 Casa Solera A/S, Ås
1	Spiral binder (manual), CIF Ås	NOK	5,600	5,600	5,600 Casa Solera A/S, Ås
1	Spiral, 6mm (1000pc), CIF Ås	NOK	1,532	1,532	1,532 Casa Solera A/S, Ås
1	Spiral, 10mm (1000pc), CIF Ås	NOK	2,729	2,729	2,729 Casa Solera A/S, Ås
1	Spiral, 14mm (1000pc), CIF Ås	NOK	3,813	3,813	3,813 Casa Solera A/S, Ås
1	Spiral, 20mm (1000pc), CIF Ås	NOK	6,641	6,641	6,641 Casa Solera A/S, Ås
2	FrontCover, vinyl (1000pc), CIF Ås	NOK	2,990	5,980	5,980 Casa Solera A/S, Ås
2	RearCover, easton (1000pc), CIF Ås	NOK	2,990	5,980	5,980 Casa Solera A/S, Ås
14	Power surge protection	USD	100	1,400	9,100 Computer Point Ltd., Kampala
13	Compac Prolinea SL4/50, Model 270, CIF Kampala	USD	2,520	32,760	212,940 Computer Point Ltd., Kampala
1	Hewlett Packard LaserPrinter, CIF Kampala	USD	2,700	2,700	17,550 Computer Point Ltd., Kampala
3	Epson LQ 1070 DOT Matrix printer, CIF Kampala	USD	953	2,859	18,584 Computer Point Ltd., Kampala
14	American power conversion, back-UPS 600, CIF Kampala	USD	485	6,790	44,135 Computer Point Ltd., Kampala

**Equipment List**

1	American power conversion, Line-M, CIF Kampala	USD	395	395	2,568	Computer Point Ltd., Kampala
1	Perfect Office, CIF Kampala	USD	500	500	3,250	Computer Point Ltd., Kampala
1	Computer table and chair (1 set), CIF Kampala	USD	550	550	3,575	Computer Point Ltd., Kampala
4	HP 4 plus toner cartridge, CIF Kampala	USD	225	900	5,850	Computer Point Ltd., Kampala
50	Ribbon for Epson Printer, CIF Kampala	USD	12	600	3,900	Computer Point Ltd., Kampala
30	Diskett 3.5" DS HD (boxes of 10), CIF Kampala	USD	25	750	4,875	Computer Point Ltd., Kampala
15	Disk bank, CIF Kampala	USD	15	225	1,463	Computer Point Ltd., Kampala
14	Computer dust cover, CIF Kampala	USD	15	210	1,365	Computer Point Ltd., Kampala
4	Printer dust cover, CIF Kampala	USD	18	72	468	Computer Point Ltd., Kampala
1	Maintenance charge (1 year free service), CIF Kampala	USD	3,000	3,000	19,500	Computer Point Ltd., Kampala
100	Computer paper (boxes), CIF Kampala	UGS	42,000	4,200,000	29,400	Prime Impex (U) Ltd, Kampala
13	Computer table, CIF Kampala	UGS	220,000	2,860,000	20,020	Prime Impex (U) Ltd, Kampala
13	Computer chair, CIF Kampala	UGS	280,000	3,640,000	25,480	Prime Impex (U) Ltd, Kampala
<b>SUM EQUIPMENT AND SUPPLIES</b>						<b>888,356</b>

Equipment List

Qty	Description	Valuta	Unit price	Total price	Price in NOK	Suppliers
<b>LIBRARY AND OFFICES</b>						
1	Canon NP 1215, Plain paper copier, CIF Kampala	UGS	4,000,000	4,000,000	28,000	Real Metro (U) Ltd., Kampala
10	Toner 1215 (box=4 units), CIF Kampala	UGS	120,000	1,200,000	8,400	Prime Index (U) Ltd, Kampala
1	Power stabilizer, 2KVA, CIF Kampala	UGS	450,000	450,000	3,150	Real Metro (U) Ltd., Kampala
1	Service Contract (1 year), CIF Kampala	UGS	480,000	480,000	3,360	Real Metro (U) Ltd., Kampala
1	Panasonic fax machine, Model KX-7230EX, CIF Kampala	UGS	1,100,000	1,100,000	7,700	Prime Impex (U) Ltd, Kampala
3	Filing Cabinets, 4 drawer, CIF Kampala	UGS	380,000	1,140,000	7,980	Prime Impex (U) Ltd, Kampala
4	Suspension file, (Box=50 file hanger), CIF Kampala	UGS	38,000	152,000	1,064	Prime Impex (U) Ltd, Kampala
1	Desk L-shape padastal, CIF Kampala	UGS	680,000	680,000	4,760	Prime Impex (U) Ltd, Kampala
2	Senetariel chair, CIF Kampala	UGS	280,000	560,000	3,920	Prime Impex (U) Ltd, Kampala
3	Reading table (local), CIF Kampala	UGS	125,000	375,000	2,625	Prime Impex (U) Ltd, Kampala
12	Chairs (Local), CIF Kampala	UGS	58,000	696,000	4,872	Prime Impex (U) Ltd, Kampala
3	Høvik steel cupboards (91cmx55cmx191cm), CIF Ås	NOK	3,490	10,470	10,470	Casa Solera A/S, Ås
1	Facit typewriter, Model 7810, CIF Kampala	UGS	900,000	900,000	6,300	Prime Impex (U) Ltd, Kampala
12	T/W ribbon, CIF Kampala	UGS	8,000	96,000	672	Prime Impex (U) Ltd, Kampala
1 000	Photocopy paper, 80gram (ream), CIF Kampala	UGS	7,000	7,000,000	49,000	Prime Impex (U) Ltd, Kampala
160	Pamplet box, CIF Kampala	UGS	5,000	800,000	5,600	Prime Impex (U) Ltd, Kampala
50	Box file, CIF Kampala	UGS	5,000	250,000	1,750	Prime Impex (U) Ltd, Kampala
1	Rubber stamp and pad, CIF Kampala	UGS	30,000	30,000	210	Prime Impex (U) Ltd, Kampala
6	Letter tray, CIF Kampala	UGS	30,000	180,000	1,260	Prime Impex (U) Ltd, Kampala
2	Hole puncher, CIF Kampala	UGS	30,000	60,000	420	Prime Impex (U) Ltd, Kampala
2	Giant stapler, CIF Kampala	UGS	60,000	120,000	840	Prime Impex (U) Ltd, Kampala
12	Ordinary staples, CIF Kampala	UGS	10,000	120,000	840	Prime Impex (U) Ltd, Kampala
5	Stapler (1 unit=1000), CIF Kampala	UGS	4,000	20,000	140	Prime Impex (U) Ltd, Kampala
1	Cellotape dispenser, CIF Kampala	UGS	15,000	15,000	105	Prime Impex (U) Ltd, Kampala
5	Staple remover, CIF Kampala	UGS	1,500	7,500	53	Prime Impex (U) Ltd, Kampala
5	Pencil sharpener	UGS	500	2,500	18	Prime Impex (U) Ltd, Kampala
5	Scissors, CIF Kampala	UGS	3,500	17,500	123	Prime Impex (U) Ltd, Kampala
50	Post it pad, CIF Kampala	UGS	2,500	125,000	875	Prime Impex (U) Ltd, Kampala
1	Paper cutter, CIF Kampala	UGS	160,000	160,000	1,120	Prime Impex (U) Ltd, Kampala
24	High lighter pen, CIF Kampala	UGS	1,500	36,000	252	Prime Impex (U) Ltd, Kampala
5	Transparencies-write on (100), CIF Kampala	UGS	65,000	325,000	2,275	Prime Impex (U) Ltd, Kampala
3	Transparencies-photocopier (100), CIF Kampala	UGS	75,000	225,000	1,575	Prime Impex (U) Ltd, Kampala
30	Pen for transparencies (6) , CIF Kampala	UGS	14,000	420,000	2,940	Prime Impex (U) Ltd, Kampala
1	Flip-over, CIF Kampala	UGS	350,000	350,000	2,450	Prime Impex (U) Ltd, Kampala
10	Stencil (1 unit=20 pkt), CIF Kampala	UGS	160,000	1,600,000	11,200	Prime Impex (U) Ltd, Kampala
100	Duplicating ink (tube), CIF Kampala	UGS	4,500	450,000	3,150	Prime Impex (U) Ltd, Kampala

**Equipment List**

100	Duplicating paper, CIF Kampala	UGS	5,500	550,000	3,850	Prime Impex (U) Ltd, Kampala
5	Catalog card convenience pack No.:C311M	USD	4	20	130	Gaylord Bros., USA
1	Compac Presario 524 CDS, Models 420, CIF Kampala	USD	2,990	2,990	19,435	Computer Point Ltd., Kampala
5	Subject heading catalog guide No.:411, CIF Syracuse	USD	16	80	520	Gaylord Bros., USA
1	Catalog guides (set of 25), CIF Syracuse	USD	4	4	26	Gaylord Bros., USA
1	Clear label protectors (pack of 1000), CIF Syracuse	USD	20	20	130	Gaylord Bros., USA
1	Add-on sectional visiblefiles No.:DV-642, CIF Syracuse	USD	68	68	442	Gaylord Bros., USA
4	Visible periodical record card (pack of 25) No.: 1044, CIF Syracuse	USD	16	64	416	Gaylord Bros., USA
1	Compact card catalog cabinets No.: 636 (6 tray), CIF Syracuse	USD	429	429	2,789	Gaylord Bros., USA
1	Rehabilitation of Library/Computer room	UGS	5,000,000	5,000,000	35,000	Local

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**SUM LIBRARY AND OFFICE** 242,205

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**Total SUM** 1,681,418

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Transportation means etc.	550,857
Equipment and supplies	888,356
Library and offices	242,205



List of suppliers.

Appendix G

**Books etc.:**

B.H.Blackwell Ltd.  
Broad Street, Oxford OX1 3BQ, England  
Fax no. 01865791438

ICRAF  
P.O.Box 30677, Nairobi, kanya  
Fax 254-2-521001

Makerere University Printery  
P.O.Box 7062, Kampala, Uganda  
Fax 256-41-531641

Kawanda Research Station  
P.O.Box 11098, Kampala, Uganda

Rotator  
Students Association in Ås, 1432 Ås, Norway  
Fax 64949877

Main Library  
Agricultural University of Norway  
P.O.Box 5012, 1432 Ås, Norway  
Fax 64947670

**Transportation means etc. :**

Akamba (Uganda) Ltd.  
P.O.Box 20028, Kampala, Uganda  
Fax 256-41-220793

Walusimbi`s Garage Ltd.  
P.O.Box 1148, Kampala, Uganda  
Fax 256-41-257473

GM Company  
P.O.Box ..... , Kampala, Uganda  
Fax .....

Bonar Kenya Exports Ltd.  
P.O.Box 42759, Nairobi, Kenya  
fax 254-2-540920

Casa Solera A/S  
P.O.Box 232, 1403 Ås, Norway  
Fax 64943703

**Equipment and supplies.**

Bjørnerud og Arnestad A/S  
P.O.Box 4763 Sofienberg 0506, Oslo, Norway  
Fax 22361176

Casa Solera A/S  
P.O.Box 232, 1430 Ås, Norway  
Fax 64943703

Elektrisk Strålevarme A/S  
Vestveien 22, 3290 Stavern, Norway  
Fax 33198601

Instrumenttjenesten A/S  
1432 ÅS, Norway  
Fasx 64942033

Computer Point Ltd.  
P.O.Box 7585, Kampala, Uganda  
Fax 256-41-256388

Prime Impex (U) Ltd.  
P.O.Box 7414, Kampala, Uganda  
Fax 256-41-236033

Gestetner Uganda Ltd.  
P.O.Box 7693, kampala, Uganda  
Fax.....

**Library and offices.**

Real Metro Company Ltd.  
P.O.Box 16690, Kampala, Uganda  
Fax 256-41-245580

Prime Impex (U) Ltd.  
P.O.Box 7414, Kampala, Uganda  
Fax.....

Casa Solera A/S  
P.O.Box 232, 1430 Ås, Norway  
Fax 64943703

Gaylord Bros  
P.O.Box 4901 Suracuse, NY 13221, 4901 USA  
Fax 13154535030

**MEMORANDUM OF AGREEMENT**  
**BETWEEN**  
**MAKERERE UNIVERSITY, UGANDA**  
**AND**  
**AGRICULTURAL UNIVERSITY OF NORWAY**

**ARTICLE 1**

**SCOPE OF COOPERATION**

This Agreement is based on the cooperation which has been established between Makerere University, Department of Forestry and Agricultural University of Norway, Department of Forest Sciences.

The fields of cooperation shall be:

- Forest Biology and Agroforestry
- Forest Mensuration and Management
- Forest Economics
- Forest Engineering
- Forest Products
- Forest Entomology/Pathology

**ARTICLE 2**

**AREAS OF COOPERATION**

The cooperation will take the form of:

- Exchange of academic staff (including external examiners)
- Research training and post-graduate training.
- Joint research projects.

- Strengthening the physical infrastructure
- Participation in seminars and workshops
- Curriculum development

### ARTICLE 3

#### IMPLEMENTATION OF AGREEMENT

For the practical implementation of the research agreement, the parties will arrange yearly planning meetings. These meetings will consider necessary Budget for each program and activities which shall be mutually discussed and agreed upon in writing by both parties.

The protocol from the yearly planning meetings will constitute part of this agreement.

### ARTICLE 4

#### EFFECTIVE DATE AND LENGTH OF AGREEMENT

This memorandum of agreement will remain in force for a period of four years starting January, 1st 1996.

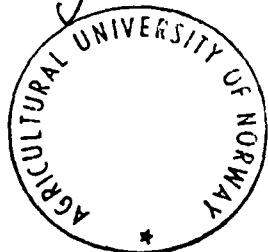
FOR AGRICULTURAL UNIVERSITY OF  
NORWAY

SIGNED:

*Nils Halseth*

DATE:

*20. June 1995*



FOR MAKERERE UNIVERSITY  
UGANDA

SIGNED:

*A. Sebunya*

DATE:

*06 May 1995*

Vice-Chancellor  
Makerere University  
P. O. Box 7062 Kampala Uganda

**Amendment to Memorandum of Agreement between Makerere University and Agricultural University of Norway.**

On behalf of the Agricultural University of Norway (AUN) the Centre for International Environment and Development Studies, (Noragric) shall act as the Administrative and Cooperative institution between Makerere University (MU) and AUN.

**Administration.**

The project shall be administered by MU with backstopping from Noragric. The Head of Department of Forestry, MU shall be the co-ordinator of the program which is financially sponsored by NORAD for four years. From the Norwegian side Noragric will administer the program according to the AUN regulation and the agreement between NORAD and Noragric. This will include regulation of contracts, travelling regulation and insurance.

**Co-operation.**

Recruit necessary expatriate personnel for exchange of academic staff both in the field of teaching, external examiners and research projects.  
Assist Ph.D. students coming to AUN from MU for studies/research, including housing, study place, etc.  
Assist MU in purchasing of equipment, books, etc., which have to be ordered outside Uganda.  
Participate in joint research projects.

For Agricultural University of Norway  
Norway

Signed: *Nils Halseth*

Date: *20. June 1995*

For Makerere University  
Uganda

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



CURRENT STAFF SITUATION: FORESTRY DEPARTMENT, MAKERERE UNIVERSITY

Name	Position
D.B.A Ruyooka, B.Sc. (For.), Ph.D. Australian Nat. Univ.	Professor
J.R.S. Kaboggoza, B.Sc. (For.) (Hons) M.U. M.Sc., Ph.D. Wood Science & Technology (California, Berkeley).	Senior Lecturer/Head
T.K. Byaruhanga B.Sc. (For.) M.Sc.	Senior Lecturer
* W.S. Gombya-Ssembajjwe B.Sc. (For.) (Hons.) MUK M.Sc. ANU Canberra	Senior Lecturer
A.Y. Banana B.Sc. (For.) MUK M.Sc. Wood Science & Technology (California, Berkeley) Ph.D. (ANU Canberra)	Lecturer
G.C.M. Mwambu B.Sc. (For.) (Hons.) MU M.SC. (For.) SUAS PG. Dip. For Rural Dev. (ITC, Nertherlands)	Lecturer
C.K. Muhairwe B.Sc. (For.) Hons MUK M.sC. (Edinburgh, Scotland) Ph.D. (UBC, Canada)	Lecturer
* J.H. Obua B.Sc. (For.) MU M.Sc. Bangor	Lecturer
P. Kizito B.Sc. (For.) MU M.Philosophy Environment & Dev. Cambridge Univ.	Lecturer
G.A. Waiswa B.Sc. (For.) M.Env. Mgt. & Dev. (ANU)	Asst. Lecturer

G. Nabanoga B.Sc. (For.)	Asst. Lecturer
**Mr. J. Bahati B.Sc. (For.)	Teaching Assistant
P. Nyeko B.Sc. (For.)	Teaching Assistant
Mr. S. Sekindi Dip. (For.)	Senior Technician
Mr. J. Ndawula Ordinary Dip. (Science Technology)	Technician

\*\* Will return in October 1995 with an M.Sc degree.  
\* They will be leaving in September this year.



Appendix I

1/2

**MAKERERE**

P. O. Box 7062 Kampala Uganda

**UNIVERSITY**

Phone: 56931/ 2 &amp; 3 Telegrams: "MAKUNIKA"

**DEPARTMENT OF FORESTRY**

Your Ref:

Our Ref:

Center for international  
og utviklingsstudier, Noragric

13 JUN 1995

HCS

13th June, 1995

To: Mr. Hennings C. Svads, Project Coordinator  
NORAGRIC

Fax: +47-64940760 As Norway

From: Dr. John R. S. Kaboggoza  
Head, Forestry Department

*John R. S. Kaboggoza* 13/6/95

Dear Mr. Svads,

RE: BOOKLIST - FOR MAKERERE FORESTRY DEPARTMENT

Thank you for your fax of 9th June, 1995 regarding the above.  
Here below are the adjustments we have made.

A: SUBTRACTION FROM LIST

S.NO.	TITLE:	REMARKS
7	Earth Roads	We have enough copies
68	Preservation of Timber in the Tropics	We have enough copies
75	Rehabilitation prospects of Kiira Sawmills act.	Over taken by events

99,100,101

These can be acquired free locally.

B. ADDITIONS

- Colin Price: The Theory and Application of Forest Economics Blackwell, Oxford. ISBN 0-631-15366-7

Remarks: Text Book: 34 Copies

2/2

C. OTHER CHANGES: Change from Textbook to Reference Book Status.

S.NO: Title.

- 17 Fire in the Tropical Bioter, ecological studies
- 41 Time, Discounting and value
- 52 Hydrology of Moist Tropical Forests and effects of conversion.

Appendix I

**MAKERERE**

P. O. Box 7062 Kampala Uganda

**UNIVERSITY**

Phone: 56931/2 &amp; 3 Telegrams: "MAKUNIKA"

**DEPARTMENT OF FORESTRY**

Your Ref:

Our Ref:

Sender for internasjonale miljø-  
og utviklingsstudier, Noragric

1.5 JUN 1995

HCS

15th June, 1995

To: Mr. Henning C. Svads  
NORAGRIC

Fax: +47-64940760 AS NORWAY

From: Dr. John R. S. Kaboggoza  
Head, Forestry Department  
Makerere University

Fax: 256-41-531641

Dear Mr. Svads,

Thank you for the fax of 14th June, 1995 about the equipment list from Prof. R. Skaar. I have just received the fax this morning.

A. Tents, Groundsheets and folding beds:

The quotation should be CIF Nairobi. Therefore add on \$ 3500 for transport and duty when received in Kampala.

B. MISSING ITEM:

POWER SURGE PROTECTORS FOR COMPUTERS 11@ \$ 100 = \$ 1,100  
to be purchased from Computer Point Ltd.

Thank you.

Yours Sincerely,

**MAKERERE UNIVERSITY**  
FACULTY OF AGRICULTURE  
DEPARTMENT OF FORESTRY  
P. O. Box 7062, KAMPALA, UGANDA.