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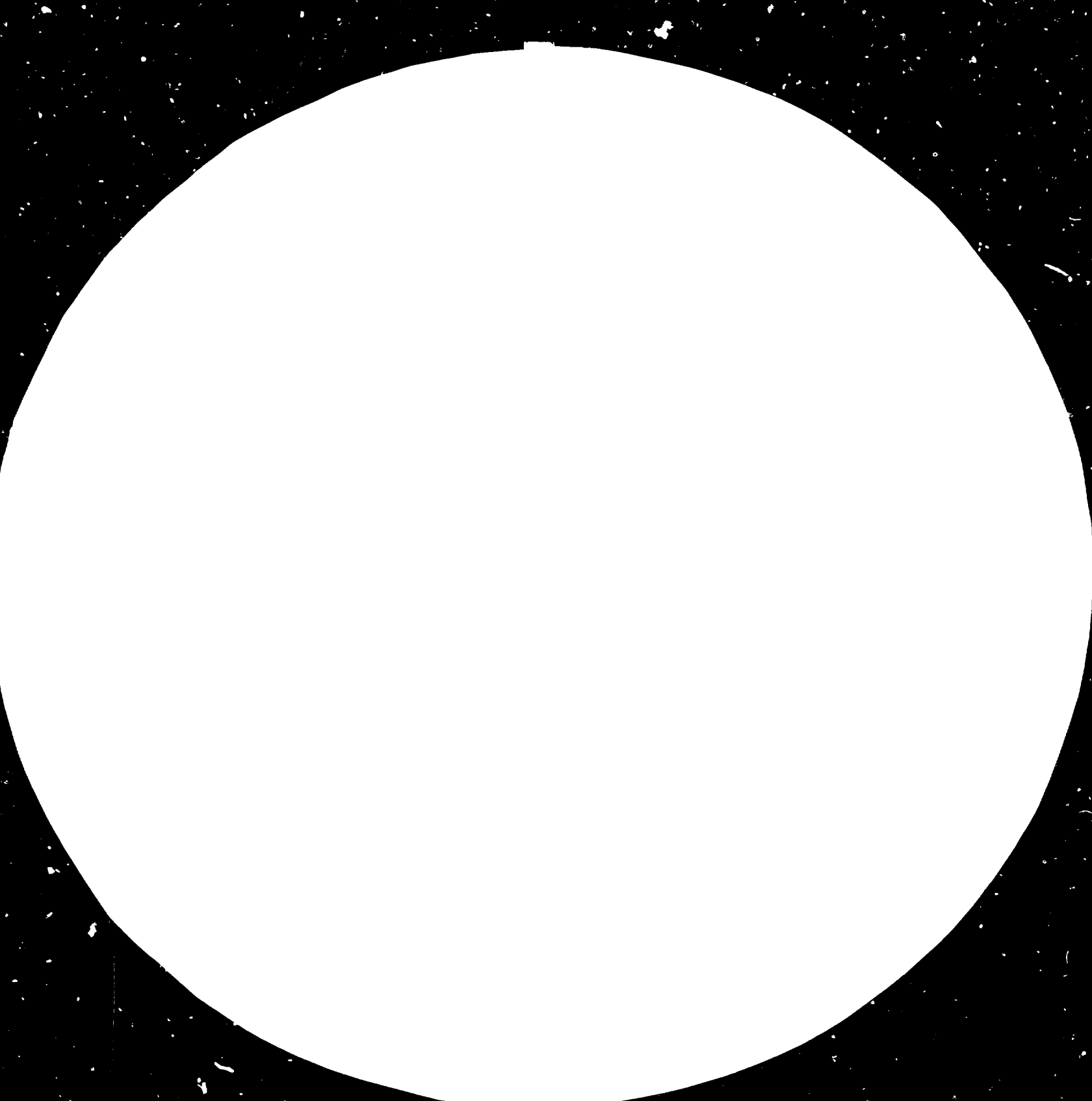
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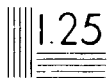
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UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

EVALUATION OF POSSIBILITIES OF ORGANISING A
SEMINAR ON FURNITURE AND JOINERY INDUSTRIES IN MAURITIUS*
16 - 25 October 1983

Mission Report

by

Antoine V. Bassili

and

Pekka J. Paavola

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INTRODUCTION

UNIDO, in collaboration with the Government of Finland, has convened and conducted on a yearly basis twelve "Seminars on Furniture and Joinery Industries" in the years 1971 to 1983^{1/}. These were financed initially partially, and subsequently totally from Special Purpose Contributions of the Government of Finland to the UNIDF. These Seminars were held at the Lahti Institute of Technology and lasted three weeks each. A total of 317 participants from 61 countries attended these seminars. They proved to be very popular, in 1983 UNIDO receiving 110 nominations for the 30 places available. The documentation has also proven to be very popular, the lectures were compiled into a UNIDO publication (ID/108, re-issued as Rev.1, and currently being edited for another revision) which was very popular, having been translated into French and Spanish. A total of over 3000 copies have been distributed around the world. Parts of this document have been translated into several other languages (namely Chinese, Thai and Arabic).

Because of the high level of development of the furniture and joinery industries in Finland, only few participants from the lesser developed developing countries have attended these seminars. In order to remedy this situation and to cater for the specific needs of the lesser developed developing countries, the Government of Finland has indicated to UNIDO its willingness to conduct a seminar in 1984 in a developing country. UNIDO has identified several potential venues for such a seminar and the Government of Mauritius (one of the countries identified) indicated its willingness to host such a seminar in 1984.

PURPOSE OF THE MISSION

The Government of Finland has delegated Pekka J. Savola, Head of the Wood Department of the Lahti Institute of Technology and Director of the Seminars in Lahti to undertake, with the UNIDO staff member (Antoine V. Bassili of the Agro-industries Branch), a one-week mission to Mauritius to assess the suitability of organizing such a seminar

^{1/} No seminar was held in 1976.

in Mauritius in 1984. If their findings were positive, the mission's task was to finalize the programme, select lecturers and factory visits and make local arrangements for the lecture room, demonstration facilities, accommodation, etc. This mission went to Mauritius from 14 to 25 October 1983.

FINDINGS

The mission - after visiting ten factories, two lecture halls and two industrial trades training centres, and meeting with officials of these bodies and officials of the Ministry of Industries and Cooperatives, was convinced of the suitability of Mauritius as a venue for the seminar in 1984. (For detailed programme see Annex I.)

The mission discussed with the Mauritian authorities the need to establish a steering committee and appointing a co-ordinator and they nominated Mr. Jairaz Pochun, Industrial Management Officer of the Ministry of Industry as their Co-ordinator. The mission met with ten of the sixteen Mauritian former participants to the seminars in Lahti. They decided to nominate the following persons as members of the steering committee: Messrs. Laval Koo Sin Lin and Ismael M. Sayed (for co-ordinating and planning local lecturers and factory visits) and Messrs. Mehmet Mahurallie and Karl Achallie (for co-ordinating and planning the demonstrations).

A closing meeting was held prior to the mission's departure and the mission's findings were discussed with both the Co-ordinator and the industry representatives present. (These findings were also communicated to the Resident Co-ordinator of the United Nations System Operational Activities for Development prior to the mission's departure).

The following documents were discussed:

- proposed programme (annex 2)
- proposed aide-mémoire (annex 3)
- proposed implementation schedule (annex 4)
- proposed list of countries to be invited (annex 5)
- proposed budget (annex 6)

ACKNOWLEDGEMENTS

The mission wishes to thank Mr. Jairaz Pochun for the assistance given to them in accomplishing their tasks. They also wish to thank the managers of the various training centres and factories visited for having given them the opportunity to visit them at so short a notice and discuss the proposed seminar.

Annex 1

Proposed Interregional Seminar on Furniture and Joinery Industries
Mauritius June/July 1983

Work Programme
17 to 24 October 1983

Monday, 17 October 1983

Arrival - LH 532 (15.35 p.m.)

Received at Airport by Mr. J. Pochun, Industrial Management Officer and to Hotel Continental.

Tuesday, 18 October 1983

9.30 a.m. Meeting with the Resident Co-ordinator of UN System Operational Activities for Development

10.15 a.m. Courtesy call on Minister of Industry and Cooperatives

10.30 a.m. Meeting with Secretary for Industrial Development

11.00 a.m. First meeting with previous participants to UNIDO Seminar on Furniture and Joinery Industries (Finland) - Members of "Mauritius Furniture Manufacturers Association" and "Association des Industriels du Bois" Conference Room (Ministry of Industry and Cooperatives).

2.00 p.m. Call on Director, Ministry of Economic Planning and Development

3.00 p.m. Constitution of the Steering/Coordinating Committee and selection of National Coordinator.

Wednesday, 19 October 1983

Visits to factories - selection of factories, training centres for demonstration and practical application of production methods/techniques.

9.00 a.m. Multi-collection (Eau Coulee - Mr. M. Mahurallie)

10.00 a.m. Industrial Trade Training Centre, Beau Bassin (Mr. Lai Cheong and Mr. K. Athalie)

11.00 a.m. Neetoo Industries, Coromandel (Mr. R. Neetoo)

12.00 Plyfoam, Plaine Lauzun (Mr. I. Samed)

1.00 p.m. Crewals (Citius) Ltd., Pailles (Mr. Koo Sin Lin)

2.00 p.m. Joonas Industries, Port Louis (Mr. I. Hanna)

3.00 p.m. Meubles Laval, Roche Bois (Mr. Laval Koo Sin Lin)

4.00 p.m. Techno Meubles, Coromandel (Mr. D. Patel)

Thursday, 20 October 1983

- 9.30 a.m. Visit to Forest Department Headquarters, Curepipe (Mr. A. S. Dopylan)
- 10.00a.m. Bureauchoy Hall, University of Mauritius Conference Room, Mauritius Institute of Education
- 11.00a.m. Mauritius Standards Bureau, Reduit (Mr. C. Dossa, Mr. E. Gajandhur)
- 12.00 "Parache" - St. Pierre (Mr. J. P. Pilot)
- 2.00 p.m. Industrial Trade Training Centre, Piton (Mr. Sunsaalee)
- 3.45 p.m. Decora Ltd., Phoenix (Mr. T. Joywungui)

Friday, 21 October 1983

- 9.00 a.m. Forest Department Headquarters, Curepipe (Mr. Oswaldini)
- 9.45 a.m. Tee Cheong Rattan Factory, Port Louis.
- 2.00 p.m. Review Meeting with Resident Coordinator of the System Operational Activities for Development
- 2.30 p.m. Evaluation and Preliminary Report. Meeting with Steering/Coordinating Committee (Ministry of Industry and Cooperatives)

Monday, 24 October 1983

Public Holiday

- 9.00 a.m. Draft Programme of Study
 - List of Factory visits
 - practical demonstration centres
 - group accommodation/catering etc.
 - provisional list of participants
 - activity chart and follow-up arrangements
- 3.00 p.m. Departure in 534 (seen off by Mr. J. Poehun)

Annex 2

PROPOSED PROGRAMME: SECTOR OF FURNITURE AND JOINERY INDUSTRIES FOR DEVELOPING COUNTRIES
HARRISBURG

Week 1

	11 June	12 June	13 June	14 June	15 June	16 June	17 June
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
8:30	Registration	Wood Preservation (Crevals)	Solid wood as a raw material in furniture (Paavola)	Foams used in upholstery (Sayed)	Furniture design for small scale production and low-cost-furniture (Laatikainen and Borrettii)	Wood in housing (Optional) Bassili	Tourism
9:30	Opening ceremony						
10:00	Introduction of participants	Good drying (Paavola)		Ergonomics (Laatikainen)			
12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
1:30	Raw material supply in Mauritius (Crevals and Forest Officer)	Visit to Crevals	Glues used in furniture (Paavola)	Technical product design (Paavola)	Visit to Panache		
			Plywood and Particle board (Paavola)	Knock-down fittings (Paavola)			
5:30	Reception						

TRGORLD PROGRAMME: SEMINAR ON FURNITURE AND JOHILRY INDUSTRIES FOR DEVELOPING COUNTRIES

DATE/TIME

18 June

19 June

20 June

21 June

22 June

23 June

24 June

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Furniture technology (Paavola)	Furniture Technology (Paavola)	Upholstery technology (Paavola)	Equipment selection (Bassett)	Marketing panel (Albaladejo, Laval, Patel, Piipela)	Packaging of furniture (Slide show) (optimal) (Bassett)	
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
Demonstration ITC (Paavola)	Furniture technology (slides) (Paavola)	Visit to Meubles Laval	Visit to Techno Meuble (Demonstration of machines)	Plant layout (Paavola)		
Quality Control in Furniture (Paavola)						

PROPOSED PROGRAMME: SEMINAR ON FURNITURE AND JOINERY INDUSTRIES FOR DEVELOPING COUNTRIES

MAURITIUS

WEEK 3

25 June	26 June	27 June	28 June	29 June	30 June
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Tool and machine maintenance (Forreth)	Safety in wood-working machines (Forreth)	Costing general consideration (Pochun)	Visit to Multi Collection	Presentation of assignment work	
	Low cost automation (Bassill)	Costing in furniture (Mahurallee)	Visit to Hettou		
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
Demonstration HIC (Forreth)	Surface finishing (Jo Rouillard Huvilac)		Rattan furniture production (?)	Presentation of assignment work	
Tool maintenance and safety		Production planning in furniture (Mahurallee)	Demonstration of rattan furniture production		

RECEPTION

Annex 3

February 1984

SEMINAR ON FURNITURE AND JOINERY INDUSTRIES FOR DEVELOPING COUNTRIES

Organized by the United Nations Industrial Development Organization
and the Governments of Finland and Mauritius
to be held in Réduit, Mauritius, from 11 to 30 June 1984

AIDE-MEMOIRE

Background and purpose of the seminar

The Seminar, organized by the United Nations Industrial Development Organization (UNIDO) in co-operation with the Governments of Finland and Mauritius is one of UNIDO's training programmes and seminars for technical and managerial personnel employed in specific sectors of industries in developing countries.

UNIDO has initiated these training programmes and seminars in industrialized countries with the objective to provide participants from developing countries with the opportunity to get acquainted with the up to date developments in the sector of industry concerned, at the same time to come to an exchange of experience with participants from the same industries from other developing countries. These training programmes are organized in co-operation with competent institutions and enterprises, providing the required training facilities and the services of qualified staff. Having held twelve Seminars in Finland grouping a total of 500 participants in the past, their organizers (UNIDO and the Government of Finland) have decided to organize a seminar along the same lines and using the same teaching methods and aids as the ones held in the past in Finland - and having the same leading lecturers - in a developing country so as to reflect better the conditions and needs of these countries. Mauritius was chosen as it has well managed, yet small and labour intensive furniture and joinery plants that, in certain cases, have entered the export markets. The present seminar will be held at the premises of the Mauritius Institute of Education in Réduit and the Industrial Trades Training Centre in Beau Bassin.

The present seminar is intended to give the participants an insight into the efficient industrial small-scale production yet modern techniques of the furniture and joinery industries. A double purpose will be served: methods for modernization and rationalization of the wood processing sector will be highlighted and secondly, the prerequisites for the establishment of this industry in developing countries on a sound basis will be identified.

Topics to be covered during the seminar

The following list of topics has been drawn up in order to give an idea of the contents and practical arrangements of the seminar. In general, factory visits will alternate with lectures, demonstrations and panel discussions, and efforts will be made to ensure the utility of the programme for all participants. Minor changes may take place during the preparatory stage.

- Solid wood as raw material;
- Wood based panels (veneer, plywood, blockboard, particle board);
- Properties and use of glues;
- Use of plastic foams in upholstered furniture;
- Furniture design;
- Technical product design and furniture construction;
- Furniture technology;
- Surface finishing;
- Quality control in furniture production;
- Costing and production control;
- Low cost automation;
- Machine and tool maintenance;
- Selection of woodworking machinery;
- Marketing of furniture and problems of export trade (panel discussion of experts);
- Packaging of furniture for export;
- Use of timber in construction.

Candidates that have been selected will be notified of their acceptance by letter.

Participants are encouraged to bring with them details of problems they have to face in all the above topics for discussion during the seminar.

Date and place

The seminar will be held at the Mauritius Institute of Education, Réduit, Mauritius, from 11 to 30 June 1984. Participants are expected to leave their home countries in time to arrive in Mauritius as near as possible before the afternoon of Sunday, 10 June 1984.

Participants

Twenty-five fellowships ^{1/} will be awarded to candidates from Africa, Asia and the Pacific, and the Middle East. Governments of these countries are invited to nominate up to three candidates who should be technical managers or persons holding a similar position in secondary wood processing industries (furniture, joinery, etc.) or planners for the wood industry sector and product designers, though the former will be preferred

^{1/} Both male and female candidates can be nominated. In this connection attention is drawn to General Assembly Resolutions 3010 (XVII) designating 1975 International Women's Year, and 3342 (XXIX) calling for the full integration of women in the development process.

UNIDO will select participants from among the nominations received, taking into account professional qualifications and other relevant considerations.

Participants will attend the seminar in their individual capacity although they have been officially nominated by their respective Governments. They must attend the whole seminar, according to the schedule prepared by the host authorities and comply with the rules and regulations laid down. They are expected to contribute to the seminar whenever possible, eg. in technical discussions related to the industries in their countries.

Participants will be expected to be fully informed on the conditions of the industry in their own countries. After having been notified of the acceptance, each participant is requested to prepare a paper of about 1000 to 2000 words, type-written, describing the current status of the furniture and joinery industries in his country and the industries' future prospects for development. Emphasis should be given to the problem which may require technical assistance by UNID. Two copies of this paper should be airmailed to reach UNIDO, Vienna, not later than 1 May 1984.

Observers

A further twenty-five observers from Mauritius, having the same qualifications as the participants selected above, would attend the seminar at no cost to UNIDO or the Government of Finland.

Questionnaire

Candidates are requested to complete the attached questionnaire and have it submitted in four copies together with the Fellowship Nomination Form. The information thus provided by the candidates will be required by UNIDO in the selection of participants and in adapting the programme of the seminar, as far as feasible, to the particular interest of those accepted.

Language requirements

The seminar will be conducted in English; consequently, a very good command of the English language is absolutely necessary. Applicants whose mother tongue is not English or who have not completed their academic studies in English, should submit a satisfactory English language certificate (preferably issued by a recognized institution, eg. British Council) before being considered eligible for participation.

Financial and administrative arrangements

A. UNIDO, through a special contribution of the Government of Finland will provide:

- 1) Round-trip economy class air transportation between the airport of departure in the participant's home country and the airport in Mauritius, in accordance with the existing arrangements between the United Nations and the country receiving technical assistance.

- 2) Training materials.
- 3) Costs for training programme proper.
- 4) Costs for board and lodging.

B. The Government of Mauritius will provide:

- 1) Costs for internal travel related to the seminar.
- 2) Conference and demonstration facilities.
- 3) Administrative support.

C. The participant's Government or his employer will be required to bear the following costs:

- 1) All expenses in the home country incidental to travel abroad, including expenditures for passport, visa, medical examinations, inoculations and other such miscellaneous items as well as internal travel to and from the airport of departure in the home country.
- 2) Salary and other benefits for the participant during the period of the seminar.

D. UNIDO and the Governments of Finland and Mauritius will not assume responsibility for the following expenditures in connection with the participants' attendance at the seminar.

- 1) Costs incurred by the participants with respect to any insurance, medical bills and hospitalization fees.
- 2) Compensation in the event of death, disability or illness of the participants.
- 3) Loss of, or damage to personal property of the participants.
- 4) Purchase of personal belongings and compensation for damage caused to them by climatic or other conditions.

NOTE: Participants are strongly advised not to have family members accompany them, as no accomodation for them will be available.

Before submitting an application, each candidate should be fully aware of the content of this aide-mémoire.

Annex to Fellowship Nomination Form

SEMINAR ON FURNITURE AND JOINERY INDUSTRIES FOR DEVELOPING COUNTRIES

Organized by the United Nations Industrial Development Organization
and the Governments of Finland and Mauritius
to be held in Réduit, Mauritius, from 11 to 30 June 1983

NOTE: The information contained in this questionnaire, to be completed by the candidate, will be used by UNIDO in selecting the candidates and in adapting the programme, as far as feasible, to the particular interests of accepted candidates.

Candidates are requested to complete the questionnaire in typewritten form or block letters and submit it in four copies together with the Fellowship Nomination Form

1. Name of candidate: Country:
2. Name and address (in full) of the company:
3. Field of activity (branch) of the company:
4. Size of the company:
Actual consumption of main raw materials:
Range and size of actual production (indicate units per year):

Employees:

Annual turnover: US\$
5. Does the company export the products in question: yes..... no.....
6. If yes, (a) main export countries:

(b) export as a percentage of turnover:

7. Range of products manufactured (mark where appropriate):

	Percentage of total sales
Sawnwood
Planing and mouldings
Doors and windows
Timber engineering products
Prefabricated houses
Dimension products (components)
Solid wood furniture (chairs, etc.)
Case goods (panel furniture)
Upholstered furniture
Carved - reproduction furniture
Packaging materials
Woodware (toys, bowls, carvings, etc.)
Others (specify)

8. Field of responsibility (mark where appropriate):

Purchase of raw materials	.....
Seasoning of solid wood	.....
Product adaptation	.....
Production management	.....
Plant layout and selection of machinery	.....
Design of jigs and fixtures	.....
Tool and machine maintenance	.....
Mechanization - including low cost automation	.....
Quality control	.....
Sales and marketing	.....
Others (specify)	.....

9. Field of interest (mark at least three and not more than six fields):

- Product development and technical product design
- Production scheduling and purchasing
- Production planning
- Plant layout
- Machine and tool maintenance
- Selection of machines
- Low cost automation
- Surface finishing
- Marketing
- Others (please specify)

10. Please indicate specific interest among the topics listed on page 2 of the Aide-mémoire:

Signature:.....Date:.....

Annex 4

SEMINAR ON FURNITURE AND JOINERY INDUSTRIES FOR
DEVELOPING COUNTRIES

Tentative Schedule of Activities

<u>DATE</u>	<u>ACTIVITIES</u>	<u>RESPONSIBILITY</u>
end October 1983	Submission of report and budget to the Finnish authorities	UNIDO
mid November 1983	Submission to Steering Committee of outlines of lectures by Mauritians	UNIDO
end November 1983	Project (and budget) approved	Finnish Government
mid December 1983	Technical specifications of equipment used for demonstrations sent to UNIDO and Pekka Paavola	Mauritian Steering Committee
mid December 1983	Aide-mémoire, list of countries and letter of invitation finalized	UNIDO
early January 1984	Funds remitted to UNIDO	Finnish Government
by mid January 1984	Letters of invitation sent out	UNIDO
mid January 1984	Mailing of the existing UNIDO documentation by surface mail	UNIDO
mid January 1984	Local arrangements in Mauritius (hotel, transport, catering, conference room and demonstration facilities) finalized	Mauritian Steering Committee
mid January 1984	Text of lectures by Mauritian lecturers airmailed to UNIDO ^{1/}	Mauritian Steering Committee
mid January 1984	Steering Committee notified of requirements for demonstrations and designs of Jigs to be produced locally (at ITTC)	Paavola
end February 1984	Comments on texts submitted by Steering Committee returned - including suggested visual aids.	UNIDO

^{1/} It would of course be advantageous if the Co-ordinator could come to Vienna in January or February to bring with him these lectures, discuss them viva voce with the UNIDO officials responsible for the seminar, and take back with him all the suggestions. He would, at the same time, brief the UNIDO officials on the local arrangements made to date.

<u>DATE</u>	<u>ACTIVITIES</u>	<u>RESPONSIBILITY</u>
end March 1984	Closing date for nominations	UNDP/UNIDO
by end March 1984	Recruitment of non-Mauritian lecturers	UNIDO
mid April 1984	Final text of lectures mailed to UNIDO for reproduction	Steering Committee
end April 1984	Final selection of participants	UNIDO
end April 1984	Transfer of funds to Mauritius	UNIDO
mid May 1984	Candidates selected notified and air tickets issued	UNIDO
mid May 1984	New documents and conference material airfreighted to Mauritius	UNIDO
mid May 1984	Teaching aids and demonstration material airfreighted from Lahti Institute of Technology	PAAVOLA
mid May 1984	Travel arrangements for non-Mauritian lecturers completed	UNIDO
mid May 1984	Jigs produced at ITTC (Beau Bassin) tested	Steering Committee
10 June 1984	Arrival of participants and non Mauritian lecturers	
11-30 June 1984	Seminar held	
mid July 1984	Conference material and demonstration material airfreighted back to UNIDO and Lahti Institute of Technology respectively	Steering Committee
end July 1984	Report on seminar issued	UNIDO

Annex 5

TENTATIVE LIST OF COUNTRIES TO BE INVITED

SEMINAR ON FURNITURE AND JOINERY INDUSTRIES FOR
DEVELOPING COUNTRIES

1. Bahrain
2. Bangladesh
3. Bhutan
4. Botswana
5. Burma
6. China
7. Cyprus
8. Democratic People's Republic of Korea
9. Democratic Yemen
10. Egypt
11. Ethiopia
12. Fiji
13. Gambia
14. Ghana
15. India
16. Indonesia
17. Iraq
18. Jordan
19. Kenya
20. Kuwait
21. Lesotho
22. Liberia
23. Malawi
24. Malaysia
25. Maldives
26. Malta
27. Mozambique
28. Nepal
29. Nigeria
30. Oman

31. Pakistan
32. Papua New Guinea
33. Philippines
34. Qatar
35. Republic of Korea
36. Saudi Arabia
37. Seychelles
38. Sierra Leone
39. Singapore
40. Solomon Islands
41. Somalia
42. Sri Lanka
43. Sudan
44. Swaziland
45. Syrian Arab Republic
46. Thailand
47. Turkey
48. Uganda
49. United Arab Emirates
50. United Republic of Cameroon
51. United Republic of Tanzania
52. Viet Nam
53. Yemen
54. Zambia
55. Zimbabwe

Annex 2

TENTATIVE BUDGET

A. ADMINISTRATIVE COSTS

17-01	- Honorarium for Co-ordinator (lumpsum)	US\$ 2,800	UNDP
	- Seminar secretary (one month)	in kind	Mauritius
	- Seminar Assistant (one month)	in kind	Mauritius
	- Rental of conference hall (3 weeks)	in kind	Mauritius
	- Rental of audio-visual facilities (3 weeks)	in kind	Mauritius
	- Rental of demonstration facilities (2 x 2 days)	in kind	Mauritius
	- Local transport (3 weeks)	in kind	Mauritius
	- Catering at tea breaks, etc.	in kind	Mauritius
	- Reception on opening day	in kind	Mauritius
	- Photocopying (approx. 5000 pages)	in kind	Mauritius
	- Touristic trip on first week-end for 30 persons	in kind	Mauritius
	- Mailing and telex charges	in kind	Mauritius
	Sub-total A (in cash)	<u>US\$ 2,800</u>	UNDP

B. OTHER ADMINISTRATIVE COSTS

	- Issuance of letters of invitation	in kind	UNIDO
	- Correspondence with Co-ordinator, etc.	in kind	UNIDO
	- Recruitment of non-Mauritian consultants	in kind	UNIDO
	- Reproduction of new lectures	in kind	UNIDO
35-00	- Packing and mailing of documentation (+ 500 kgs)	US\$ 1,100	UNDP
35-00	- Airfreight of conference material and seminar library from Vienna to Mauritius (+ 100 kgs)	US\$ 1,500	UNDP
35-00	- Return of above material to Vienna	US\$ 1,500	UNDP
	- Correspondence with candidates and their notification	in kind	UNIDO
	- Issuance of travel documents for non- Mauritian consultants and participants	in kind	UNIDO
35-00	- UNIDO/Government of Finland reception	US\$ 3,000	UNDP
	Sub-total B (in cash)	<u>US\$ 7,100</u>	UNDP

C. TRAINING COSTS

	1. Travel and per diem of:		
11-01	- P. Paavola (3 weeks)	US\$ 6,200	UNDP
11-02	- M. Laatikainen (2 weeks)	US\$ 4,570	UNDP
11-03	- P. Borretti (2 weeks)	US\$ 2,660	UNDP
11-04	- P. Mäkelä (1 week)	US\$ 4,150	UNDP
	- M. L. Aibaladejo (1 week)	in kind	ITC
16-00	- A.V. Fassili (4 weeks)	US\$ 4,340	UNDP

2. Honoraria for non-Mauritian lecturers (including fees for preparatory work)		
11-01	- P. Paavola (5 weeks)	US\$ 3,500 UNIDF
11-02	- M. Laatikainen (2.5 weeks)	US\$ 1,750 UNIDF
11-03	- P. Borretti (2 weeks)	US\$ 1,400 UNIDF
11-04	- P. Mäkelä (1.5 weeks)	US\$ 1,050 UNIDF
	- J. L. Albaladejo (1 week)	in kind IDO
	Total cost of internationally recruited lecturers (1+2) (in cash)	US\$ 20,150 UNIDF
3. Honoraria for Mauritian lecturers (including fees for preparatory work)		
17-01	- J. Pochun (costing) (1.5 hours)	US\$ 60 UNIDF
17-02	- I. M. Sayed (foams) (1.5 hours)	US\$ 60 UNIDF
17-03	- K. Athalie (demonstrations) (6 hours)	US\$ 240 UNIDF
17-04	- J. Roubillard (surface finishing) (3 hours)	US\$ 120 UNIDF
17-05	- M. Maharaullee (production control) (4.5 hours)	US\$ 180 UNIDF
17-06	- J. Hittie and A. Owudally (species used in Mauritius) (3 hours)	US\$ 120 UNIDF
17-07	- J. Hittie and A. Owudally (wood preservation) (1.5 hours)	US\$ 60 UNIDF
	Total cost of Mauritian lecturers	US\$ 840 UNIDF
35-00	4. Transport by airfreight of jigs and demonstration material from Lahti to Mauritius (+ 200 kgs) (cutting tools, jigs, quality control material, slides, visual aids, etc.)	US\$ 3,200 UNIDF
35-00	Return of jigs by airfreight from Mauritius to Lahti	US\$ 3,200 UNIDF
35-00	Trucking of 200 kgs airfreighted	US\$ 200 UNIDF
40-00	5. Local manufacture of jigs (in Mauritius)	US\$ 2,000 UNIDF
40-00	6. Books for the participants	US\$ 1,500 UNIDF
35-00	7. Folders, stationary, etc.	US\$ 1,000 UNIDF
	Sub-total C (in cash)	US\$ 42,260 UNIDF
C. <u>TRANSPORT, BOARD AND LODGING OF PARTICIPANTS</u> (25 participants, travel to and from Mauritius)		
35-00	- Airfare, 25 x US\$ 3,000	US\$ 75,000 UNIDF
35-00	- 10 kgs excess baggage on return trip 25 x 200	US\$ 7,500 UNIDF
35-00	- per item: 25 x 23 days x US\$ 60	US\$ 34,500 UNIDF
	Sub-total D (in cash)	US\$ 117,000 UNIDF
D. <u>CONTINGENCY</u>		
35-00	- miscellaneous	US\$ 1,000 UNIDF

SUB-TOTALS (IN CASH):

A. Local administrative costs	US\$ 2.000
B. Other administrative costs	US\$ 7.144
C. Training costs	US\$ 42.000
D. Transport and stay of participants	US\$ 117.000
E. Contingency	US\$ 1.000
Total	<u>US\$ 179.000</u>
10% overhead costs	<u>US\$ 18.010</u>
GRAND TOTAL	<u>US\$ 197.010</u> =====

