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PREPARATORY MISSION,

Project Findings and Recommeriations .

Terminal report prepared for the Government of Indonesia

by

Magne Mestvold

staff member of the United Nations Industrial Development Organization acting as Executing Agency for the United Nations Development Programme

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SUMMARY

This three-week preparatory mission was carried out to assist the Government of Indonesia in formulating a project for assistance to the Leather Research Institute in Yogyakarta. Eared on the assessment made of the industry and the institute, and on the information thus obtained, a proposal is presented for a UNDP/UNIDC large-scale project for a duration of two years, scheduled to start on 1 April 1976, to assist in the modernization of the Leather Research Institute in Yogyakarta and through this institute to provide technical assistance to the entire leather industry sector in Indonesia.

The project will involve a total UNDP contribution of US\$ 348,950 and, tentatively, a Government counterpart contribution amounting to 37.5 million Ruplahs. The services of four experts, some consultants, and a subcontract component are foreseen, as well as training abroad of Indonesian specialists and some equipment for the laboratory and pilot plant activities of the institute.

Provision of industrial size machinery and equipment for the institute's industrial plants is not included in the project, but is strongly recommended for Government financing.

Several additional recommendations are also presented which are aimed at improving and further developing the leather and leather products industries in Indonesia.

INTRODUCTION

The official request for this preparatory mission was received by UNIDO on 5 April 1975 by cable misc. 1023 from UNDP, Jakarta. My release for a period of maximum three weeks was confirmed by the Executive Director of UNIDO on 29 April 1975, and I arrived in Jakarta on Monday 5 May 1975 and stayed in Indonesia up until Tuesday 20 May 1975.

During this stay I met with several Government officials concerned with industrial development, with the Director and staff of the Leather Research Institute, with the Chairman and members of the board of Associasi Perkulitan Indonesia (AKI), the Federation of Indonesian

Leather descriptions, as well as a number of representatives of the leather and shoe industry in Indonesia, and with staff of the UNDP/ UNITO office in Jukarta. A list of the persons contacted during this mission is attached as Annex 2.

I visited a total of sixteen leather factories and three shoe factories in Central and East Java and in Jakarta. A planned visit to Fandang in West Java unfortunately had to be cancelled due to lack of time. The time schedule and itinerary of my visits are given in Appendix II of the preliminary mission report.

Upon return to Vienna the appended draft project document for the proposed UNDP/CVIDO large-scale project was elaborated (Annex 1).

In view of the Leather Research Institute's lack of outside contacts it was proposed to include in this project an orientation tour by the Director of the institute to leather research institutes and other institutions concerned with the development of the leather and leather products industries in various developed and developing countries, to initiate the direct contact between these institutions and the institute in Yogyakarta. Letters have been sent to a number of institutes in preparation for this orientation tour (see list in Annex 3).

UNIDO publications and other documents were requested by the Director of the Leather Research Institute and have been forwarded to him, as detailed in Annex 4.

A report on the factory visits made during my mission is being prepared.

A Color Colo

Tentative prices on the industrial size equipment required by the Leather Research Institute in addition to the equipment component included in the proposed large-scale project, will be obtained and when collected this information will be forwarded to the Director of the institute.

FINDTERS

During the visits to the tanneries and shoe factories, and from the discussions held with the representatives of the Government, industry and the Leather Research Institute, the following impressions from and information about this industrial sector were obtained.

1. The Leather Industry

There are sixty tanneries in Java and a few more in other parts of Indonesia, producing sole leather and upper leather mainly for local consumption using cattle hides and buffalo hides as raw material, as well as sheepskins and goat skins, of which approximately 80 per cent are exported as pickled skins, and a limited amount of reptile and specialty leather.

The tanneries range from the most primitive rural sole leather tanneries to modern upper leather and skin leather factories with up-to-date machinery and production techniques.

Since early 1974 when the export of raw hides and skins from Java was banned, there evidently has been a considerable upswing of industrial tanning activities. Several new plants have been or are being constructed. Some of the factories are, however, hampered considerably by lack of capital to purchase necessary machinery. Most of the factories work at considerably less than full production capacity, due to not sufficiently developed export markets and changes in the production lines.

2. The Leather Products Manufacturing Industry

The footwear and leather goods manufacturing industries are to a considerable extent of the cottage and home industry scale. Of the shoe manufacturing units only some 10 per cent are mechanized. There exist four relatively large factories for the production of canvas shoes, for export as well as for local consumption. The production of leather footwear is estimated at only some 6 million pairs annually.

There are still many problems to be solved before a significant improvement and expansion of the footwear and leather goods manufacturing industries can be obtained. However, the scope for expansion of this industrial branch is considerable.

3. Zamesen de en Cher Besearch Institute, Carakarta

The institute is well organized and directed, is orientated towards proctical tasks and has a well established contact with the leather and allici inflatines. This good direct contact with the industries was confirmed contact the plant visits made. Many leather factories have technical staff inclined at the Academy of Leather Sechnology (ALI) and/or were previously attached to the Leather hesearch Institute. In addition to that, in several of the factories visited technical staff of the institute was enraged in currying out abort-term consultancy work. Such direct practical work in the industry is very important for an institute like this and should be further strengthened and developed. Contracted production work is further carried out for clients in the industrial plant at the institute.

The institute buildings are spacious and suitable. However, the equipment and machinery of the testing and analysis laboratories, experimental and development work department and of the industrial units within the institute, need considerable modernization and upgrading.

The most serious drawback of the institute, however, is its relative isolation from outside impulses and up-to-date technical and general information, and its lack of contact with similar institutes in other countries, developed and developing. It is also short of scientific and technical books and technical literature dealing with the leather and leather products industries.

The need for expert assistance and impulses from abroad in practically all activities of the institute is evident, as is also the need for upgrading the training programmes at the institute itself and the Academy of Leather Technology.

RECOMMENDATIONS

A. Particularly concerning the Leather Research list and Test and

- assistance in the modernization of the Leather Research Institute, for a duration of two years and involving a total UNLP contribution of US\$ 148,950. A tentative estimate of the Government counterpart contribution amounting to 17.5 million Pupiahs is included, but the counterpart contribution has to be agreed upon in detail between the Government authorities concerned and the UNDP/UNITO office in Jakarta. The proposed starting date for this project is 1 April 1976, to coincide with the beginning of the Government's financial year. The draft project decument (Annex 1) gives detailed information on this project.
- 2. Production equipment and machinery for the industrial units at the institute and the pilot plant at the Academy of Leather Technology in Yogyakarta should be provided in addition to that existing now, in order to obtain the required upgrading of these units. It is strongly recommended that funds for the purchase of such industrial machinery be allocated through the development budget of the Leather Possearch Institute.
- 3. The research activities at the institute should. In the next few years, be kept on the applied research level, with emphasis on the development of processes and production types suitable to the specific conditions in Indonesia, as well as the development of products based on available local raw materials.

B. Additional Recommendations

- 4. Development work should be intensified at the institute as well as in the industry itself.
- 5. A detailed survey of the entire leather industry sector should be carried out in order that complete and reliable data can be obtained, which will permit the planning of a well balanced development of this industrial sector.
- 6. The contacts between producers of leather and leather products in Indonesia and buyers in various importing countries should be strengthened.

- 7. Farticipation of Indonesian leather and feetwear manufacturers at intervational fairs and exhibit; as should be promoted. Particular attention should be given to the possibility of organizing and setting up an Indonesian stand at the important international fair Semaine du Cair in Paris.
- 8. Local production of certain types of tools, equipment and machinery to be used by the leather and leather products industries should be encouraged.
- 9. The possibility of establishing a leather board factory in Indonesia should be investigated in order to ensure a profitable utilization of waste leather and scraps from tanneries and shoe factories.
- 10. The possibility of establishing in Indonesia a factory for the production of vegetable tanning extracts from locally available vegetable tanning materials (acada, mangrove, etc.) should be examined.
- 11. Efforts should be made towards further co-operation between the five ASEAN countries on leather industry research and training activities, with the Leather Research Institute possibly acting as a regional centre.

Incer 1

PROJECT OF THE GOVERNMENT OF

10000014

Title:	Modernmention o	f the Leather	Research Institut	e. Yoryakarta
Number:	Dr/110/75/xxx/h		Doration:	
Sector:	Industry (35)			
Sub-rector:	Establishment a	ng extension o	f manufacturing in	ndustries (3521)
	Computate tomay		Executions As	
Kimistry of 1	nd e try		United Natio	ons Industrial Organization (UUIII)
Date of Catrais			Starting Dat	e: 1 /pril 1976
p ermaent Co-			UNDF Contrib	majon:
37.5 million	n ninha		US\$_348,	<u>50</u>
On behalf of the	No. Covern			
(signature)	o dovernment	Title		Date
On behalf of Ex (signature)	ecuting Agency	Title		Date
On behalf of U (signature)	DP	Title		Date

I. BANKS THE CONTROL OF STREET

A. Justify we in far the Proceed

1. The least recipitative person:

Associations, Associate Perkulitan Indonesia (SEI), there exist sixty tensories in Associations, Association of the Province of Information, produced, produced, province and contaking, as well as new-province and fine the association from association, as well as new province and fine the exported mainly as pickled skins. A limited association of reputite and openialty leather are also produced.

The total production of hides and skins is cutimated at approximately 850,000 cattle hides (= 4,300 tons), 190,000 buffalo hides (= 2,100 tons) and more than 5 million goat and sheepskins (= 2,500 tons). Due to lack of reliable information wheat shoughtening of the different types of animals, there date are only to be considered estimates, and it is probable that actual figures are even higher.

The number of tanneries and their production capacity are reported to be as follows:

Province	Number of tanneries	Estimated production (month)	
		Tons, Dried hides	Pieces, Skins
West Java	19	330 175	95,000 300,000
Central Java East Java	19 22	410	215,000 10,000
Celebes Other provinces	a few	n.a.	<u> </u>
Estimated total:	More than 61	93 5	620,000

This corresponds to a total annual production capacity of approximately 10,000 tons hides (dried) and approximately 7 million goat and sheepskins.

The tanneries range from primitive rural sole leather tanneries to modern upper leather and skin leather factories with up-to-date machinery and production techniques.

Since early 1974 when the export of raw hides and skins from Java was banned, there has been a considerable upswing of industrial tanning activities, most pronounced in the production of pickled sheep and goat skins for export. Several new plants have been or are being constructed.

Some of the factories are, however, however deconsiderably by her of capital to purchase ne embedy machinery which would cake it possible for them to alwayse from periodic mof purhied or west-side skind and hides to finished leather. Farsher, most of the factories work at densiderably less than full production especits, due to not sufficiently developed export markets and change production lines, for instance, in some cases from sole leather to appear leather or even to shir leather production. This change necessarily token true to reach full impact and involves technical and managerial irelicus which have to be overcome. Particular attention will have to be given to expanding and improving leather finishing techniques and methods.

2. Leather products industries:

The footwear and leather goods manufacturing industries are to a considerable extent of the cottage and home industry scale. Of the shoe manufacturing units only some 10 per cent are mechanized. There exist four relatively large factories for the production of canvas shoes, for export as well as for local consumption. The production of leather footwear is estimated at only some 6 million pairs annually.

There is scope for considerable improvements and expansion of the fociencer manufacturing industry. However, at present there are still many problems to be solved before a significant improvement can be obtained, namely,

- (1) manufacturing methods and techniques,
- (2) tooling and spore parts,
- (3) equipment and machinery, and
- (4) materials and components.

3. The Leather Research Institute:

The existing Leather Research Institute is entrusted by the Government, and expected by the leather industry sector, to play an important role in advancing leather and leather products technology in general and in servicing and assisting the expanding leather industry sector, which is directed towards import substitution as well as increasing exports.

The Institute is oriented towards practical tasks and has a well established contact with the lather and allied industries. LRI technical staff are engaged in carrying out short-term consultancy work in improving production methods, assisting in putting into operation new factories or new production lines, etc. Contracted production work is further carried out for clients in the industrial plant at the Institute. The LRI buildings are spacious and suitable. The emigment and machinery of the testing and analysis lateratories, experimental and development work department, and of the industrial units within LRI, however, need considerable modernization and upgrading.

A serious drawback of the IRI is its relative isolation from outside impulses and up-to-date technical and general information and its lack of contact with similar institutes in other countries, developed and developing. The IRI is short of scientific and technical books and technical literature dealing with the leather and leather products industries.

There is a read for expert admistance in practically all activities of the production of the production of the training programmer at DEL and at the Admission of Centher is building (ADE).

B. Institutional Promotorit

1. Onymoustance of the feather become. Testatute:

The Institute has five depirtments, with five rections each, as follows:

- 1. Respond and Constitution Tamber on (1) Process and Product Research;
 (2) Testing and Stampardication; (3) Experimentation Laboratories;
 (4) Esta Completion and Analysis; (5) External Research.
 This department has a staff of e4.
- 11. Technological homely cent (1) Process and Product Technology;
 (2) Endichett health and Production; (3) Leather Technology;
 (4) Synthetics and Plastic Technology; (5) Industrial Leathers and Plastics.
 This department has a staff of 72.
- 111. Injustrial Revolument and Economics (1) Statistics and Data Analysis;
 (2) Industrial Affiliation; (3) Planning and Programming; (4) Industrial Development and Unrket Research; (5) haw and Regulations.
 This department has a staff of 16.
- IV. Scientific Technical Information and Training (1) Library and Technical location; (2) Exhibitions and Information Services; (3) Training and Upgrading of Skill; (4) Publication; (5) Extension Services.

 This department has a staff of 13.
- V. General Administration (1) Finance; (2) Personnel; (3) Buildings, etc.; (4) Supply and Logistic; (5) Power and Technical Maintenance. This department has a staff of 66.

The total staff of the LRI is at present 191, of which 88 (= 46 per cent) have received a high level of education. There are 158 men and 33 women.

The Director of the Leather Research Institute is also Director of the Academy of Leather Technology in Yogyakarta, where formal training in leather technology is provided through courses of three and a half years duration. Each year about 60 students are taking part in these courses.

The LRI's sources of income are threefold: (1) operational budget; (2) development budget (based on a tax levied on exports); and (3) earned income (including tanning on contract for clients, fees charged for certification of export quality level and for technical assistance direct to the industry).

4. Industry associations:

The Federation of Indonesian Leather Associations, and Probable Indonesia (771), was established carly 1974 on the basic of agree of agree of by the Manistry of Commerce, in order to menge all the leather organizations into one organization which will implement all espects and Government policies in connexion with the leather and allied industries in Indonesia.

The following organizations form part of AKI:

- (a) Indonesian Hides, Skins and Tanners Association (HHISTA)
- (b) Union of Leather Manufacturers of Indonesia (GAFPI)
- (c) Union of Leather Handicrafts Industry for Whole of Indonesia (GIKESI)
- (d) Union of Shoe Manufacturers of Indonesia (IPSI)
- (e) Shoe Co-operation of Indonesia (KOFSI)
- (f) Union of Shoc Manufacturers of Indonesia (GAPERSI).

C. Covernment Follow-up

The Government will ensure that the project's recommendations and follow-up actions agreed upon be carried out as scheduled and be given the necessary support by the authorities concerned.

D. Other Related Activities

No UNDP/UNIDO technical assistance to the leather industry sector has so far been provided in Indonesia. A UNIDO staff member visited Indonesia for approximately two weeks in May 1975 to assist in the preparatory work on this project. An FAO SIS project dealing with hides and skins improvement, and processing and better utilization of animal by-products is to some extent related to the present project, and its findings and recommendations will be duly taken into consideration.

The successful execution of the project is expected to stimulate substantial and widespread interest in the production of leather as well as in the manufacture of leather footwear and other leather products, especially to increase further the contribution of these industries to the export earnings of Indonesia. However, the extent of the investment likely to result cannot be assessed at this stage.

E. Future UMDP Assistance

Further UNDP/UNIDO technical assistance to the leather and leather products industries in Indonesia may be identified during the implementation of the proposed project and will be decided upon towards the end of this project.

H. ONDERDONAL MARKETS

Whis projet is expected to be included in the Country Drogram of Of Indonesia.

A. Tour-wave Objectives

The long-range objective of the project is to bring the activities of the Institute in line with the increasing and rapidly charming requirements of this industrial posture and thereby convertite substantially to the leather industry sectors impact on the economic growth of the country.

B. Immediate the times

The immediate objectives of the project are to:

- 1. Assess the present and future needs of the Institute as to staff; equipment and facilities required to put the Institute in the appropriate position to assist in upgrading and expanding the leather industry sector's activities and achievements;
- 2. Assist in establishing an appropriate system of extension services to the leather and allied industries;
- 3. Provide direct technical assistance to tanneries as well as to shoe factories in updating production techniques and methods;
- 4. Assist and advise on immediate changes in plants and on the future planning of this industrial sector to athreve the requirements of modern products acceptable to world standards;
- 5. Train counterparts on the various activities carried out by the project, including the training abroad of selected candidates.

III. WORK PLAN

The project will be implemented on the basis of the following work plan and in accordance with the provision of Annex I attached.

Preparatory activities are to be carried out by the Government agency concerned, in order to ensure timely implementation of the project.

A. Description of the Property function

Procedential.co: 1. Assignment of the Chief Technical Idvisor to start up the procest, working with counterparts. I cler on implement the work programme with other tropact personnel, co-ordin their all activities of the project toward medernization of the leather Personnel institute and intensification of the Institute's co-operation

Location

Proposed Laratics

Yogyakarta with travel within the coun ry as required

1 Wo years is a 1 April 1975

2. Anaigment of the expert in the marketing of leather, to work with counterports in advising on appropriate marketing methods in the industry, in governmental organisations as well as in the LRI.

with the leather industry sector.

Yogyakarta with travel within the country as required

Six months from 1 September 1975

3. Assignment of the footwear manufacturing expert to work with counterparts in introduction and application of appropriate footwear manufacturing methods and processes in the industry as well as in the LRI.

Yogyakarta with travel within the country as required

One year from 1 April 1977

4. Assignment of the shoe designer to work with counterparts in introduction and application of appropriate shoe design and pattern cutting in the industry as well as in the Institute itself.

Yogyakarta with travel within the country as required

Three months from 1 September 1977

5. Assignment of short-term consultants as required on matters like (a) socio-economic development of the leather sector, (b) planning of training programmes, (c) research policy, etc.

Yogyakarta and other locations as required A total of Six man-months starting in 1976

frainings

(a) Orientation tour by the Director of LRI to research institutes for the leather and leather products industries in other sountries, developed as well as developing

Prance, India, Iran, Italy, U.K., Notherlands, PPG, Poland, CSSR, Hungary and Turkey Three months in 1976

(b) Training abroad of one selected candidate on leather technology

U.K., PRO, or Ten months in Metherlands 1977

(c) Training shroad of one selected candidate on shoe technology

U.K., PRG, Ten months in or Italy 1977

	<u> Spring Atomit S</u> t	local ica	Proposed Turning was a second of the second
(3)	Anamony are so to be selected for many sterm on the decays of pottern outling	U.K. or Italy	Six months, of which 4 nonly and 2 months in 19,8
(6)	Training the selected on the selected candidates of activity to be received upon	To be decided	In 1977 and 1977

The relection of paracrial to be sent abroad on fellowships should be made in consultation with the USID Chief Technical Advisor and the USID technical experts concerned with each particular activity.

B. Description C TOTA Topies

1. Assignment of international staff:

(a) Charf Meshages thorem (leather industry expert; .ne expert should have extensive experience in technical as well as in managerial and economic aspects concerning the leather industry, and experience in the operation of leather research institutes. He will be expected to supervise the activities of the other experts attached to the project and coordinate the efforts of all concerned towards the implementation of a programme for close co-operation between the Institute and the public and private leather industry sector of the country. He will also advise the Institute on all technical aspects, particularly in finishing techniques, and on managerial and economic matters concerning the Institute's activities in the field of the leather producing industry, and will train national counterparts on these matters, together with whom he will also provide direct technical assistance to the industry concerned.

(b) Expert in marketing of leathers
The expert should have extensive experience
in all aspects of the marketing and export
of various types of leather, and an up-todate knowledge of world markets for these
items. He will advise and assist the
industry and Government authorities concerned on these subjects, as well as train
counterparts at the Institute on marketing
of leather.

Starting Late and Location Property Teachers

Yogyakanta and travel within the country as required 1 April 1976 Two years

Yogyakarta and travel within the country zs required 1 September 1976 Six months

Assistment of irropositional staff (contid):	locat, a	Status Commence
(c) For deepernuftoward expert: The experience in the manufacturing of fact— wear as well as there will knowledge for world market require ears for to tweer. The vill advise and actist on appropriate resultanturing both is and well also train rational counterparts on these rester. Therefore with whom he will also provide direct technical assistance to the industry concerned.	Yes the second within the country second red	
(d) The transfer terms of the expert of the have extensive experience and up-to-cate in wheape concerning size designing and protein cutting. He will advise and essent local those manufacturers on shoc decrean and pattern cutting and train counterparts on these matters, together with whom he will also provide direct technical assistance to the industry concerned.	Yogyakarta and other locations as required	1 September 1977 Three months
(e) Consultant:: The services of one or more short-term consultants may be required to carry out tasks which need very specialized experience and knowledge.	Yogyakarta and other locations as required	In 1976 and 1977 as may be decided for a total of six man-months
Provision of sub-contractual services:	•	
Sub-contracts will be established with select institutes and other institutions in other co	ed leather untries to	Total of USS 45,0 to be used in 197

7.

make available information and experiences regarding areas of activity like (1) effluent treatment and environmental problems; (?) introduction of new production methods and processes; (3) market surveys; and (4) technical information services, etc. Such subcontracted services are expected to lead to a more lasting linkage between the LRI and the foreign institutes selected.

and 1977

3. Training provision:

Provision is made for an orientation tour by the Director of the IEI to the most important centres and institutes dealing with research and development work in leather and leather products industries in other countries, developed as well as developing, in order that he can make direct contact with the directors and staff of these institutes. During his visits to these institutes the Director of the LRI will be in a position to select the best available centres for further training of selected staff from LRI to be carried out under fellowsnips included in the project. There

fellowshaps are: three of ten months! duration each and one of six months! denotion, as specified under project activities, and one to be at specifical includes or of as-plant around character in selected plants in the countries suggested.

4.	turn from the a nulliar and equipment:	Incation	Delivery lote	Cont USS
	(a) Dependence equipment, to be specified after the Chaol Technical Advisor has appeared the requirements.	Yoggakarta	1976 and 1977	20,0 00
	(b) Non-expectable equipment for oldi- tional testing and analysis equipment essential to enable the IRI to carry out its comprehensive issting and standardi- zation work, as well as a limited amount for experimental and development work (small plastic frams, etc.) as specified in the equipment list - Annex II.	Υσευakarta	1976 and 1977	40,000
	(c) Two motor vehicles to be used by the project, and to be returned to the UNDP Pesident Tepresentative in Jakanta upon completion of the project.	Yogyakarta	1976	13,000
	(d) Books, technical literature, etc.	Yogyakarta	1976 and 1977	50,000
5.	Mid-project review:	Location	Starting D. Proposed D	
	Mission costs are included to cover participation of one representative each of UNDP and UNDO in the mid-project review foreseen for 1977.	Yogyakarta and Jakarta and other locations as required	In mid-19 two weeks	•
6.	Miscellane ::			Cost
	(a) Operation and maintenance of equipm	ent		5,000
	(b) Reporting costs			\$,000
	(c) Sundry			4.000
	Total component cost			11,000

C. Desertable of Games of typese

1. Assis of attention letters:

- (a) Contemp ster the firester of the IPI call be the formal contents to the case interaction Advices uno will, in sidilizing to provided with a technical counterparts, namely, one specialized in tennant openations and one specialized in leaster finishing openations, who will both according the Chard Leannier Advices on his visits to the contents. The other technical experts will also be provided with autical counterpart per parts, and preferably with more than only one national counterpart per expert.
- (b) Office facilities and secretarial assistance will be provided by the Government co-operating agency.

2. Training moves or:

Maintenance of trainees will be ensured.

3. Government provided equipment:

The existing machinery and equipment available at the LRI's technical departments will be stillized when required for the successful implementation of the project, and in addition to the equipment provided by UNDP, equipment and industrial machinery will be provided by the Government in accordance with the needs and fudgetary possibilities. A detailed list of equipment and machinery to be provided by the Government will be established when the Chief lechnical Advisor has assessed the requirements and budgetary considerations have been clarified.

A preliminary amount for Government provided equipment to the project has been included into the budget for the Government counterpart contribution.

4. Miscellaneous:

The Government will provide drivers and petrol for project vehicles for work done on the project aid be responsible for the maintenance of the vehicles. Necessary detection travel, office stationary and communications, as well as customs clearances of vehicles and equipment will be the responsibility of the Covernment.

PROJECT BUDGET COVERING UNDP COULTIBUTION

(in US dollars)

Country: INDOSTSIA

Project No. DP/INS/75/xxx/A/11/37

Modernization of the Leather Research Institute, Yoggakarta Title:

	m/m	Total TSS	L) ii	1976				0
10. Predant Formsonnel Component								
11. Experies 11-01 Jeather industry expert	24	72,000	σv	0000 22	¢.	V	~)	
(Chief Technical Adviser)	9	13,000	m	3,000	m	€00 *6	i	l
leather 11-01 Footwear menufacturing expert	12	36,000	1	ı	C	500	~)	3.00
11-04 Shoe designer	mo	0.00 0.00 0.00	ı ~	6,000			1 1	1 1
11-99 Sub-total	1.2	153,000	16	42,000	.	3,	•	
16. Hission costs: 16-11 Hid-project review	0	ύου - ξ	1	•	ç•5		ı	
One DEDP constitute	0.5	3 000		1	0.5	3.		1
16-99 Sub-total	0.1	000*9	1	ì	C.	\$	ı	1
19. Component total	25	159,000	71	42,000	SC.		1,0	10,000
20. Sub-contract Component	i	45,000		15,000		7 7 7 7		
29. Component total		45,000		15,000		30,00		t

*2*0 -

	m/m	Total USS	m/w	1 <i>916</i> 1	<u>u/u</u>	1977	. j. E	6 Lot
30. Treinen- Component								
31-01 Orientation tour of the	m	3,150	m	3,150	ť	ı	ı	i
31-02 teather technologist	Ç	10,500	1	1	10	10,500	1	•
31-03 Shoe technologist	5	10,500	1	ı	္န		•	,
31-01 Shoe designer	\$	6,300	•	1	7		2	
31-05 to be apecified (technical information, etc.)	0	10,500	1		ത		ς,	G G
39. Commonent total	£.	40,950	~	3,150	32	0	• •	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
40. Equipment Component 41. Non-expendable equipment 42. Expendable equipment 43. Two motor vehicles 44. Twohnical literature, beats, poriodicals, etc.		40,000 20,000 13,000 20,000		10,000 5,000 13,000		39 15 10 10 10 10 10 10 10 10 10 10 10 10 10		1 1 1 1
49. Component total		000*86		30,000		100 C W W W		i
51. Operation and maintenance of		2,000		2,000		3,000		1
52. Reporting costs 53. Sundry		2,000 7,000		1,000		000		
59. Component total		11,000		3,000		5,000		C)
99. GRAND TOTAL		348,950		101,150		C 4666		•

(in Pupiahs)

Country: INDONESTA

Project No. 11P/1XS/75/xxx/A/11/37

Title:

Modernization of the Leather Research Institute, Yogyakartz

			Total		1976	1	ili.		
		ה/ה	20.	E,	ę,	E/ ±	٠ د د	, f	, ,
0	. Project Fergonnel Cognonent		millions		## C 1 1 1 E	-		- The state of the	
	(a) Irofessional staff:								
	Director of LAI								
	(part time only)								
	Leather technologist (tanning	24	2.4	δ,	6-0	;5	₹	~	
	Lesther technologist (finishing	24	2.4	0	6.0	5	,	,,	
	cherations)		•	`			J •	'1	•
	Leather marketing specialist	9	9.0	~	0.3	~	0.3	ı	i
	Pootwear technologist	12	1.2	1) O	0	~	C)
	Shot designer	~	0.3	1	ı	, ~		ו ר	· 1
	Contemports to consultants	9	9•0	~	0.5	۰.	۲ (۷ ۱ • ن ان نا	~	es C
	(b) Other staff:								
	Laboratory staff, administrative	IJ	2.5	21	1.0	42	1.4	1 22	7.0
	staff, foremen and workers of industrial units	;							
19.	19. Component tot	8	10.0	44	3.0	83	5.5	23	1.5
င်္ခ	30. Training Composent 31. Fellowships: Maintenance of								
	trainees								

39. Component total

- 22 -

40. Paulment Compenent 41. Non-expendable equipment			```	1
40. Fquinaent Compenent 41. Non-expendable equipment	Pe.	a/a	6/E	0
	millions	millions	116	11111000
(to he specified)				
(a) Tamery unit	0.11	4	•	
(v) Leather products spit	2	0:0	O.B	•
12. Erwindahla minant	9.	1	ე• ໒	O ***
(a) Pennery unit (chemicals.			1	
muterials, etc.)	?	2:	1.5	5.0
(b) Leather products unit (materials, components)	5.0	1	5-5	r.
49. Component total	25.0	7.0	16.0	0.00
50. Wiecellaneum Commonent				7
51. Openation and maintenance of	1.0	0.3	0.5	C. C.
53. Sinding e.f. transmirt and headless		•		
of equipment, import and customs	•	۰°0	0.5	tr. • 0
oleanonce, storage and related expenses, insurance after delivery				
to site, etc.				
39. Component total	2.5	0.8	1.0	t-•0
99. GRAND TOTAL	37.5	10.8	22.5	

Indep bein to the confidence of the conflor of

A	• <u>Fac</u>	ur of Conthological Menting		Quantity	Price in 188
	1.	Bally penetr. meter with acce	essories	1	2,200
	2.	Bally flexometer with access	ories	1	2,700
	3.	Abrougen tester with access	ries	1	2,500
	4.	Dow Corning shoe tester with	accessories	1	4,000
	5.	Adhesive tester (SATEA) for between shoe coles and upper	testing gluing parts	1	3 C0
	6.	Photomoter-microscope with a	ccessories	1	300
	7.	Microtone organizat with acce	Esories	1	2,500
		Sut	-total		14,500
В.	Equ	ipment for Chemical Testina			
	a.	Nitrogen analyzer macro mode	1 (Coleman type)	1	3,000
	b.	Analytical balance, semi-mic	• • •	1	3,600
	c,	Cutting mill (Wiley) standar		1	1,450
	d.	Photoelectric colorimeter wi	th accessories	1	85 0
	e.	Viscosimeter		1	100 .
	ſ.	pH-meter, general purpose mo	del	1	600
	٤٠	Shaker, wrist action type (e	ight places)	1	25 0
	h.	Thermometer (Pt-resistance)	·	1	200
	i.	Electric stirrer		1	250
	j.	Heating mantle, various capa (250-1000 ml)	cities		500
•		Տ ս Ն	-total		10,800
C.		ious Other Davigment			
	i.	Small experimental drums (pla	•	5	4,000
	ii.	Leather conditioning apparatu	78	1	400
	iii.	Class blowing equipment			2,000
	iv.	Other equipment (to be special	Tied)		2,300
		8ub-	-total		8,700
		Tota	l equipment		34,000
		•	% freight charges		6,000
		(Co:	sponent) Total Cos	t US\$	40,000

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LIST OF PERSONS COMPACTED

A. UNDP/UNIDO Office, Jakarta

Mr. G. Kastengren UNIDO Senior Industrial Levelopment Field

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Mr. P.M. Daems UNIDO Assistant Industrial Development

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Mr. J.S. Svendsen UNDP Assistant Resident Representative

Mr. C.J. Fairbanks UNIDC Adviser Metalworking Industry

Mr. R. Hawkey UNIDO Consultant, Grain Storage

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B. Ministry of Industry, Jakarta

Mr. Ahmad Slamet Secretary General of Industry

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Mr. Soegiri Soemodarsono Director-General for Light Industries and

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Mr. Arifin Mursalin Director for Leather Industries,

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Mr. Gatoet Soedomo Pusat Penelitian and Pengembangan,

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C. Leather Research Institute, Yogyakarta

Mr. Pietoyo Soekarbowo Director, Leather Research Institute and

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Mr. Ronald Black International Programs, Denver Research

Institute, University of Denver, USA

D. Representatives of the Industry

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Mr. R.J. Suratno Pres. Director, P.T. Budi Makmur Joyo,

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Mr. Sutanto Handoko Director, P.T. Budi Makmur Joyo, Yogyakarta

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Mr. Yuwono

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Mr. Sukariono

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Surabaya:

Mr. H. Aminullah Thalib Karim Chairman of AKI (Federation of Indonesian Leather Associations)

Mr. Vita

Secretary to Mr. Aminullah

Mr. Nochman Gultom

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Mr. Socisno Djojosocdarso

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Messrs. Wong Brothers

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Mr. Sjarifudin Siregar

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Mr. Ishak Noor

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In Charge of Marketing Section AKI

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Director, C.V. "Ramlie", Reptile Leather and

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Anney 3

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lo. Yr. John Loránt

lare ter

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15. Prof. M. Santappe

Director

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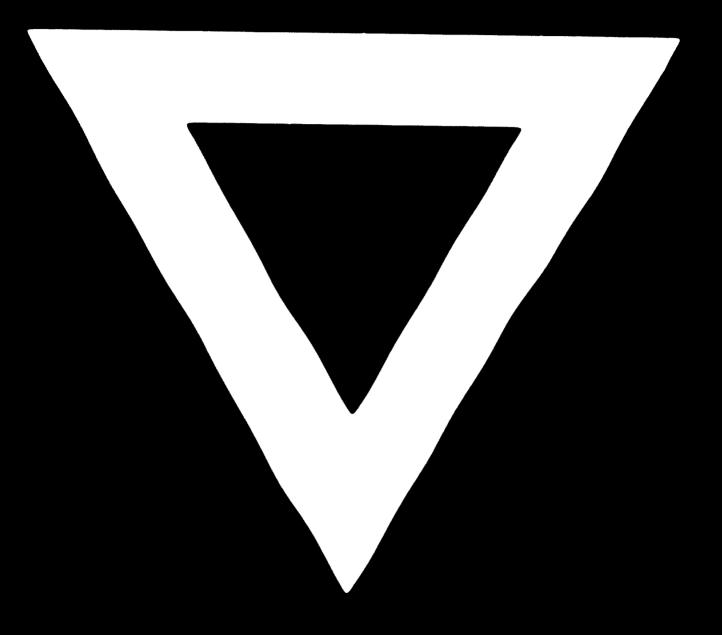
India

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LIST OF DOCUMENTS FORWARDED

- Papers presented at the 1974 hungarian Congress on the Leather Industry, Volumes 1.a, b, 2
- A Survey of Modern Vegetable Tannage, published by the Tanning Extract Producers Federation, London
- Papers presented at the 1971 Seminar on the Development of the Leather and Leather Products Industries in Developing Countries (Series ID/WG.79/ Nos. 13, 15, 18, 20 to 22, 26 and 27, however, were out of print)
- Papers presented at the 1973 Workshop on Leather Industry Development in Developing Countries (Series ID/WG.157/)
- Papers presented at the 1974 Seminar on the Development of the Footwear Manufacturing and Leather Goods Manufacturing Industries in Developing Countries (Series ID/NG.169/)
- Publication ID.90 Marketing and Export Possibilities for Leather and Leather Products Manufactured in Developing Countries
- Publication ID.92 A Fancy Leather Goods Factory for Developing Countries
- Publication ID.93 The Growth of the Leather Industry in Developing Countries: Problems and Prospects
- Publication ID.99 The Interrelationship between Parameters of the Leather Industry
- Pablication UNIDO/LIB/SIR.D/ Information Sources on the Leather and Leather Goods Industry
- Proceedings of the First National Pootwear Industry Workshop-Convention, held in the Philippines, September 1974.





76.02.03