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LEATHER GARMENT MANUFACTURING .
SI/ETH/77/801.
ETHIOPIA .

8 FLB 1980

Technical report: Project findings and recommendations

Prepared for the Government of Ethiopia
by the United Nations Industrial Development Organization,
executing agency for the United Nations Development Programme

Based on the work of Ferenc Schmel, leather product engineer-technologist

United Nations Industrial Development Organization
Vienna

#### Explanatory notes

The monetary unit in Ethiopia is the birr (B). During the period covered in the report, the value of the birr in relation to the United States dollar was SUS 1 = B 2.07.

NLSC refers to the National Leather and Shoe Corporation.

$$1 \text{ ft}^2 = 0.093 \text{ m}^2$$

The annexes have not been formally edited.

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#### ABSTRACT

Assistance was requested by the Government of Ethiopia for the preparation of a project suitable for investment, guided by previous studies carried out on the establishment of an integrated leather goods and garment factory in Ethiopia, for both export and domestic markets. The project "Leather Garment Mamufacturing" was carried out by an expert from the United Nations Industrial Development Organization (UNIDO) from 2 September to 22 September 1979, in close co-operation with the National Leather and Shoe Corporation (NLSC).

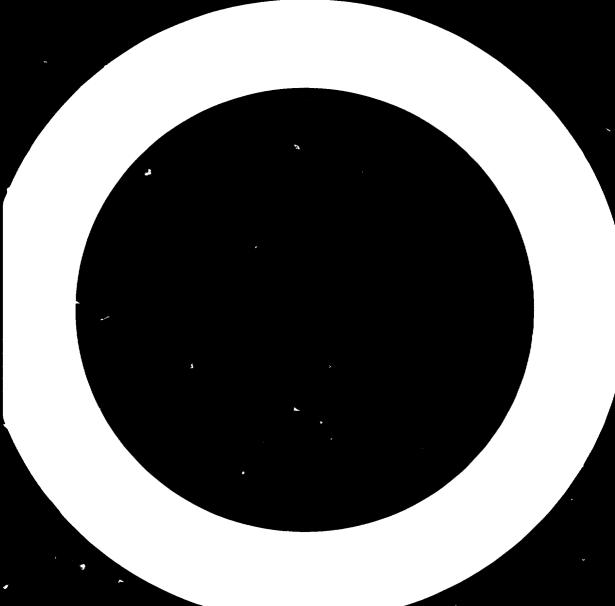
The major objective of the project was to prepare a detailed feasibility study for a factory to manufacture leather garments, products and sports goods (annex 1.0).

The survey of material availability shows that both Ethiopian raw skins and the existing leather processing capacity are promising for the development of leather garment and goods manufacturing. The demand for genuine leather products creates favourable economic conditions in the local and the international markets and at the same time, local requirements exceed the supply. A leather products industry (with the exception of a producing shoes subsector) is practically non-existent in the country and through the material resources, the availability of labour and relative simplicity of these manufacturing processes, favourable conditions exist for industrialization.

Taking into consideration all factors affecting new establishments in Ethiopia the optimum annual output of the factory was determined as 345,000 pieces, including leather garments, different leather goods, gloves and industrial production. This unit will provide employment opportunities for 400 workers. It will start with one thift and should achieve the total capacity in the fourth year of operation. The second shift should be introduced five years after implementation. The total annual output will be 26 million birr, with a 30 per cent expert rate, and 750 employees.

According to the feasibility study the payback period will be six and a half years, the annual net profit will be 5 million birrs, which is 18.9 per cent of sales. The investment is supposed to be covered by long-term (seven years) loan.

Recommendations are made on investment preparation, training and further UNIDO activities.



#### CONTENTS

Chapter		Page	
		INTRODUCTION	6
I		FINDINGS	7
		Availability of material	7
		Demand for leather products	8
		The existing leather product industry	9
		Production programme for the new factory	9
		The feasibility study	11
		Alternatives	14
IJ		CONCLUSIONS AND RECOMMENDATIONS	17
		Annexes	21
		<u> Pigures</u>	
	<del>1</del> .	Plant layout	75
	2.	Factory area	77
var tie	3.	Alternative plant layout	- <sup>-</sup> 79
	4.	Organizational chart	_

#### INTRODUCTION

Assistance was requested by the Government of Ethiopia for the preparation of a project suitable for investment, guided by previous studies carried out on the establishment of an integrated leather goods and garment factory in Ethiopia, for both export and domestic markets. The project "Leather Garment Manufacturing" was carried out by an expert from the United Nations Industrial Development Organization (UNIDO) from 2 September to 22 September 1979, in close co-operation with the National Leather and Shoe Corporation (NLSC).

The major objective of the project was to prepare a detailed feasibility study for a factory to manufacture leather garments, products and sports goods (annex 1.0).

According to the latest statistics, the leathers production of the eight tanneries controlled by the NLSC is 236,000 hides and 3,100,000 skins; in other words, the local industry processes only 28 per cent of the effective supply. On the other hand, the annual capacity of the existing tanneries is 605,000 finished hides and 8,700,000 semi-finished skins (pickled, wet-blue, crust) including ,800,000 pieces capacity for finished skins (sheep and goat). The two-shift capacity of the Ethiopian shoe factories is about 10,000 pairs per day of leather shoes (that is, 2,800,700 pairs per year) which means 6,160,000 ft or 246,000 pieces of upper and lining leather. However, the capacities in the shoe factories are only utilized about 50 per cent.

The finished leather is used by the shoe factories and a small quantity is sold directly for customers. Leathers and garment goods industries are practically non-existent in Ethiopia though material resources, availability of labour and significant unemployment offer opportunities for the manufacture of leather garment and goods. By finishing semi-finished leather and using it for marketable products greater benefit could be achieved through added value. The demand for genuine leather articles such as garments, handbags, flat goods and gloves, is increasing in the developed countries. The prices of these goods are high but the market is competitive.

Since hides and skins are one of the main local resources, the Government of Ethiopia is attempting to expand the leather product manufacturing sector. As a part of this activity, a UNIDO technical adviser spent three weeks in March and April 1979 at the VLSC to investigate the possibilities of exploiting the country's potential in the field and to recommend a production programme.

#### I. FINDINGS

#### Availability of material

The quality of the corrected grain leathers and especially of the finished sheep and goat skins is not bad. The raw skins and leather processing equipment promise leather of good quality, but the tanneries lack technical management.

The expert visited two leather factories and studied their products. Corrected grain leather, leather for garment and gloves and goat skins (termed "Mocassin leather") can be used for leather product mammfacturing. In particular the sheep skins gave a favourable impression. It seems that the Ethiopian To nery is able to produce leather for garments and high quality goods but the finishing needs improvement. Ethiopian sheep skins have a relatively small surface (the average is 5 ft<sup>2</sup>), therefore their most effective utilization is for flat goods and glove manufacturing or sport jackets assembled from small pieces and combining this with the manufacture of s. It leather goods with the aim of utilizing wastes. The leather factories have never produced special leathers such as are used for balls.

A reasonable quantity of splits has accumulated in the tanneries. Some of these are being sold and the remainder used for industrial articles such as aprons for workers and gloves.

The prices for the highest grade (A) finished leather are:

		B/ft <sup>2</sup>
Garment		3.75
Lining:	pigmented	1.19
	natural	1.10
Smooth		2.20
Embossed	l	1.54
Goat/sne	ep	2.50
Hunting		2.13

These prices do not include 40 per cent excise tax which must be paid to the Government if the leather is sold locally. The price of the fifth grade (E) is usually about half that of the top grade. According to Ethiopian standards, grade "A" skins or hides have 95 per cent of usable surface (without any faults), grade "E" skins lave 50 per cent and hides 50 per cent usable surface. It should be emphasized that grading practice differs from European standards; the lots of leathers studied were overgraded by European standards.

#### Demand for leather products

Research of the domestic market was carried out by NISC and determined the trend of sales for genuine leather goods. They showed slightly increasing consumption until 1977, then the figures fell in 1978 (probably as a consequence of supply difficulties). According to the data the following sales volumes are expected in 1979:

	<u>Pieces</u>
Handbags	8,000
Flat goods	25,000
Belts	200,000
Industrial gloves	20,000

It is worth mentioning that imports of all kinds of handbags amounted to 780,000 in 1977.

By increasing living standards, which is the major aim of the Government of Ethiopia, demand will increase too. This is proved by the sales of the newly opened leather goods shop on the main street in Addis Ababa, where they are selling different kinds of bags, suitcases and industrial articles. According to the sales figures, the following quantities have been sold in the first five months of operations:

	Number of models	Number of pieces	Average unit price
Lady handbags	40	500	60
Briefcases	9	600	70
Wallets	6	500	15
Small articles	15	2,000	3
Belts	11	1,500	13
Industrial gloves	5	7,900	17
Aprons	2	14,000	1
Aprons for worker	rs 1	130	. 45

The shop manager stated that they do not have any difficulties selling even with such high prices. The total turnover of the shop, which is controlled by NLSC, was B 217,700.

The other shop owned by NLSC sold 123,324 ft<sup>2</sup> of leather for garment in 1978/79 at an average price of B 2.79 per ft<sup>2</sup>, which corresponds to sufficient material for 3,300 leather jackets. (This quantity was produced mainly in the Ethiopian Tannery.) The average price of a leather jacket made by a private tailor is B 350.

The Sports Commission of Ethiopia declared the following annual requirement for balls:

Footballs	41,000
Volleyballs	37,500
Handballs	27,000
Heavy (training) balls	200

The Government officially invited NLSC to prepare to meet this demand.

As far as exports are concerned, it is difficult to determine the demand for Ethiopian made leather products. On the base of local leather prices and the relatively low wages, a good export potential seems to exist, but the lack in manual skills, design and manufacturing experience are handicaps.

#### The existing leather product industry

Leather garments are supplied by private tailors with very long delivery time. Genuine leather goods are mainly imported or produced by private manufacturers. Just one year ago, a leather goods workshop was established in the Awash tannery in order to utilize the splits and low quality finished leather. The workshop belongs to the tannery management and is controlled by a supervisor, who is also the designer. It now employs 25 workers producing ladies handbags from embossed hides and belts, suitcases and industrial gloves from crust and split. The working standards and quality performance is very low (e.g. three operators work in one team making 5-7 handbags in eight hours). The supervisor designer tries to follow the fashion (he copies patterns shown in an Italian magazine), but Ethiopian fashion is behind European by 2-4 years.

The workshop is equipped with some old machines (e.g. Singer sewing machines on transmission drive), but they have six new sewing machines (including two Singer 331 K 116, one Adler 1680-363S, and one Singer 20V).

NLSC sees the problems concerned with the technical management of this workshop, therefore their intention is to move it from the tannery and use the workers and the machinery as a starting point for a new leather goods factory.

#### Production programme for the new factory

The determination of the production programme, namely the product mix and quantities to be manufactured, has been made on the following basis:

- (a) To increase the added value on products for which basic materials are available locally;
- (b) To cover domestic demand for leather products by local manufacture in order to decrease imports;
  - (c) To introduce new working opportunities for the unemployed;
- (d) Local materials, especially sheep and goat skins and the existing leather processing and finishing capacities are suitable to produce mainly leather garments, fancy leather goods and gloves;
- (e) It is important to produce goods for export to earn convertible currency:
- (f) The new factory must be organized on the appropriate level, which means that the production lines have to be established according to economically millimum bizes;
- (g) Workers for a new factory can be trained only to a certain level (that is, to perform only a few operations on one machine), therefore, production process must be broken into general operations and quick changes in the production programme cannot be allowed;
- (h) Establishing procedure is much simpler for one factory than for several smaller, but specialized ones;
- (i) NLSC needs an opportunity to break into the market of developed countries, which involves pilot trials with different products.

Taking into consideration all the above factors, the factory size was chosen intending to cover 40-80 per cent of known domestic demand for leather garments, goods, gloves, industrial articles and sports goods. The targeted export rate is 25-30 per cent in value terms. Since leather product manufacturing does not need any special type of building or utility facilities and most of the machines can be used for different kinds of articles, the capacity will be very flexible.

The production programme covers the whole range of leather products (excluding shoes). The targeted output of 100 per cent capacity utilization in one shift is as follows:

	Pieces
Leather garments	15,000
Gloves	10,000
Leather goods	
Ladies handbags	40,000
Travelling and sports cases	10,000
Briefcases	20,000
Wallets	25,000
Small articles	30,000

Belts	100,000
Balls	40,000
Industrial articles	55,000
	345,000

The total annual output will be 345,000 pieces to start with, or in value terms B 13,649,000 (these figures will be doubled when the second shift is started and total capacity achieved). It is planned to achieve 21 per cent exports in quantity or 23 per cent in value in the fourth year of operation. If the conditions concerning market demand, manpower, material supply, climate etc. are suitable to establish a second shift, it can be introduced in the fifth year of the project. Of the total production capacity, 26 per cent (or 30 per cent of the produced value) should be exported and 40 per cent of locally marketed production will be sold in the NLSC shop. The rest will be sold through local wholesalers. The estimated sales revenues and the production programme for each year and each product are shown in annex 3.4; annexes 3.1, 3.2 and 3.3 give data of the materials to be used in the production, annex 3.5 presents the sales and distribution costs.

#### The feasibility study

Market research and product preparation (including the range-building, establishing contacts, preparing pro forma offers etc.) are extremely important. Annex 2.0 gives an idea of the costs of pre-investment studies and preparatory investigation.

The basic materials for the suggested production programme are available locally with the exception of textile linings and leather fibre- or paperboard. Fittings and auxiliary materials will have to be imported. From the annexes 4-4.8 it can be seen that only 28.6 per cent of materials and inputs are from abroad. Comparing the estimated sales revenues and the total material inputs it can be seen that the latter share is 49 per cent which is very promising.

The manufacturing process is supposed to be organized in such a way that each product is produced on specialized lines (tracks). This allows machines and equipment to be used effectively with a high degree of utilization. Furthermore, the labour force can be trained more quickly to the production. Annex 5.1 contains a list of proposed machines, auxiliary servicing, office equipment and the primary stock of spare parts and tools required, with detailed information on their weight, power and compressed air consumption.

origin and price. As the necessary machines cannot be obtained from a single supplier (no company having such wide range of equipment) they are chosen from the most economic sources, taking reliability and maintenance into consideration. It is recommended that the sewing machines be purchased from Adler, because the main products are leather goods and these machines provide the best technological parameters for the necessary kind of manufacturing processes. The machine park is very flexible with the exception of glove sewing and leather garment-pressing machines (their value less than 10 per cent of all machines costs), most of the machinery can be used for any kind of leather goods manufacturing. In order to help in the decision making the annex 5.2 gives a list of alternative equipment. For almost each production machine one can find alternative types of different origin. The total cost of equipment is hirr 1,560,000 and 20.4 per cent of this equipment can be obtained in Ethicpia (annex 5.0).

NLSC does not have a location planned, so it was not possible to select out the best location. Since the land in Ethicpia can be obtained free of charge and appropriate pieces of ground are available throughout Ethiopia and around Addis Ababa the expert and the NLSC management agreed in preparing the project documentation for a nominal land value. For production purposes 2,700 m<sup>2</sup> building is needed which with servicing and managing facilities will be 3,780 m<sup>2</sup>. The proposed layout is shown in figure 1: fashion goods (e.g. gloves, leather garments and leather goods) manufacturing is separated from that of standard articles (e.g. industrial and balls) production. The cutting and preparation are centralized in both departments. There is a training section to carry out initial training and retraining. The stores are projected approximately twice the amount needed for normal operations.

The social facilities and the offices were calculated according to European standards and the cloakrooms are designed for two shifts working. The total investment need for all civil works is birr 3,200,000 (annex 5.3 and figure 2).

The wages (annex 7.3) were planned on the basis of average work for the product (annex 7.2) to be manufactured; salaries (annex 7.3) were determined according to local norms taking into account the surcharges (ar sex 7.1). The variable cost of manpower is 630,000 birr/year, i.e. 1.48 birr/hour. A proposed management organization is shown in figure 3 and the estimated overhead costs are detailed by annex 6.0.

After the decision has been made to implement the projects, two more years are needed to build up the factory. This period has to be used for the training of management and labour. Project implementation costs are estimated as birr 340,000 (annex 8.0) and detailed financing analysis has been carried out. The initial fixed investment costs (annex 9.1) and the pre-production capital expenditures (annex 9.2) are birr 5,256,000. The annual production costs are shown in annex 9.3. The working capital has been calculated using the following data:

Account receivable 30 days at production costs minus

depreciation and interest

Local material 20 days
Imported material 120 days
Fittings and auxiliaries 270 days

Work in progress 8 days at factory cost

Finished products 30 days at factory cost plus administra-

tive overheads

Cash in hand 30 days of wages and salaries + 25 per

cent

Account payable 15 days for raw materials and utilities

The working capital is birr 3,151,000 for one shift and birr 5,835,000 for two shifts (annex 9.4). According to the calculations for investment costs (annexes 9.5, 9.6, 9.7 and 9.8) the start-up of the factory will need birr 12,000,000 and the introduction of the second shift birr 2,000,000. NLSC do not have their own capital for the investments; however, the local banks are ready finance feasible projects, so the money must be borrowed. Taking into account 10 per cent interest in the case of long-term loans and 9.5 per cent interest for loans from the local commercial bank the financial plan is as follows (annex 9.9):

- (a) For the start-up period the factory has to borrow birr 12,000,000 in three consecutive years starting from the investment;
- (b) The factory will start to produce goods in the second half of the second year and achieve total capacity in the fifth year; in the fourth year it will start to repay the borrowed capital;
- (c) From the sixth year, the factory will increase its working capital; to cover this it will need birr 2,000,000 on a short-term loan;
- (d) By the tenth year, the factory will have repayed all borrowed capital.

According to the net income statement (annex 9.10) the break-even point comes in the middle of the seventh year. The relatively high gross profit is decreased by the taxes calculated on the basis of the following data:

Turnover tax	2 per cent of sales
Excise	40 per cent on leather sold on the local market
Transaction tax	7 per cent of sales on 40 per cent of the local sales (in the shop of own)
General reserve fund	10 per cent of surplus until the determined amount has been achieved
Annual capital charge	5 per cent of cumulated general reserve fund (only from the fourth year operation)
	Excise Transaction tax General reserve fund

The total amount of taxes during the first 10 years of operation will be birr 26,000,000. From the eleventh year, the annual net profit will be birr 4,922,000, which will be 18.9 per cent of sales.

#### Alternatives

Alternatively, the production programme can be reduced as noted below.

#### Leather garment and leather goods manufacturing

The leather garment manufacturing line in figure 1 represents the minimum economic size, but the leather goods product-mix can be reduced by not specializing or leaving out certain articles. However, an economic balance must be kept between the larger (handbags, sports goods and suitcases) goods and the flat goods (wallets, small articles) in order to utilize wastes. Belt manufacturing should be treated as a specialized line, which has the minimum industrial economic size of 50,000 pieces per year with one shift working.

An economic product mix is proposed as follows:

	Pieces/year	Thousands of birr
Leather garments	15,000 ·	4,800
Larger leather goods	40,000	2,600
Flat goods	40,000	440
Belts	50,000	650

Total output would be 145,000 pieces/year or 8,490,000 birr/year with one shift working.

The investment calculations are derived (annex 5.1 and figures 1 and 2) by not taking into calculation the tracks for suitcases or the workshop for balls and reducing the machines for belt and flat goods manufacturing, as well as the costs for administration. Taking into account all the necessary changes, the fixed capital contents require the following items (annex 10.1)

		Birr
Equipment		900,000
Building (2,520 m <sup>2</sup> ) (figure 3)		1,000,000
Site preparation and setting		450,000
Pre-production expenditures		300,000
1	Total	2,650,000

The direct manpower requirement is 140 workers and 35 staff. The total material cost is birr 4,385,000, so the annual production costs will be birr 6,300,000 (annex 10.2) and the working capital birr 2,200,000(annex 10.3). The gross or taxable profit will be:

	Birr
Sales	8,490,000
Production costs	- <u>6,300,000</u>
	2,190,000 (25.8 per cent)

Taking into account 25 per cent exports, the total tax will come to birr 1,470,000. Summing up, the net profit will be birr 720,000 or 8.5 per cent of sales revenues, which is acceptable compared with the profitability of existing NLSC controlled enterprises.

#### Separation of two production facilities

The two main manufacturing processes are separated in the building suggested originally (figure 1), because the industrial articles and ball production need a quite different managerial approach and use different materials compared with the fashion-oriented leather garments and leather goods manufacturing. An alternative would be to separate the two workshops under independent managements. This solution needs more fixed capital and more managerial work during the implementation period, but afterwards the factories would be easier to manage.

#### Reduced production programme

A reduction of the production programme for leather garment manufacturing would inevitably result in a loss of efficiency (i.e. worse utilization of machines and equipment). On the other hand the quantity of leather goods to be produced may be decreased, but in this case it is necessary either to limit the production to one or two kinds of goods (leaving uncatered for certain components of the domestic demand and not using wastes from leather garment cutting) or to obtain highly skilled labour for the production line (which is impossible in the near future). Nevertheless the following productmix might be considered:

	Pieces/year
Leather garments	12,000
Leather goods (with the proportion of small- and large-size articles at least 1:1)	60,000
Industrial articles	20,000
Balls	7,000

These manufacturing processes can be placed in the bigger workshop (figure 1) with the stores so the building requirement would be around 1,600 m<sup>2</sup> including social and managerial facilities. The total number of workers and staff would be approximately 130 and the total fixed investment nearly birr 1,600,000.

#### Leather goods manufacturing only

One more variant is to be taken in account, that is leather goods production. The minimum economic size would be 80,000 pieces/year, but the most effective would be the leather goods manufacturing programme detailed under the heading Production Programme for the New Factory. The economical evaluation has to be based on data used in annexes 2.0-9.10 and figure 1.

#### II. CONCLUSIONS AND RECOMMENDATIONS

#### Investment decisions and preparations

Well prepared market research is necessary prior to the investment decision, which will aim first of all at studying the export possibilities and conditions, paying special attention to the prices, competitive situation and required quality standards. The importance of the sample preparation and building to be offered must be emphasized. As suggested by the previous expert, a third stage of this project seems to be needed, and the product sample preparation needs more time and expertise.

Since local market demand is quite high and probably increasing, the realization of the suggested leather garments, leather goods and glove production programme does not mean a big risk. For ball manufacturing account has to be taken of the lack of experience both in the leather and assembling processes. Industrial articles do not need much direct labour and utilize the waste material directly from the leather manufacturing process, so it is worthwhile to analyse the possibility of keeping the process at the tannery.

For leather garments, the finishing quality has to be improved in order to avoid spots and unevenness of colour on the surface. Due to the small sizes (surfaces) of skins and the quality required for export, it is recommended that skins be selected more carefully after liming in weft blue and in crust. It is also recommended that processing aimed at producing higher quality leather for leather goods be improved. It would be advisable to introduce special colours and printed grains on garment leathers (both skins and hides) in order to give a special character to the "model families" to be designed.

One of the most significant tasks in the pre-investment and pre-implementation period is the range building and design. To start with, the leather garment models should be jackets assembled from smaller components without complicated decoration. The leather goods models should be designed on the basis of certain material types. Special metallic fittings have to be chosen, or designed, for decoration.

The proposed manufacturing processes can be placed in any kind of buildings having as a minimum 4 m inner height. If such a type of building is available the investment costs can be significantly reduced. The location should be chosen to minimize the transportation costs.

The starting-up process of the leather product manufacturing factory with the suggested product-mix involves many problems of design, technical supervision, quality performance and selling on the international market. In order to solve these difficulties cutside co-operation may be considered in the form of joint venture or technical know-how contracts.

#### Training

The pre-implementation period involves the training of technical management and labour. (Experience gained in Ethiopian factories and at NLSC indicates that skilled staff can be recruited locally for general, administrative and economic management.) Special attention should be paid to the training of designers, supervisors and operators.

#### Designed training

The proposed leather product factory employs three designers and pattern cutters (figure 4). The chief deals with the range building and he (or she) needs the highest skills. It is recommended that young people with artistic talent and foreign (possibly Italian) language knowledge should be selected and sent for training in design to Italy (or France) for 3-6 months, and then that person will be expected to train the other designers. Beside this fellowship an Italian or French designer should be employed for 1-2 months per year in order to refresh the design attitude and advise on up-to-date fashion trends. (Subscription to fashion magazines and samples bought in developed countries should help in the designers retraining.)

#### Supervisory training

Productivity and quality mainly depend on supervision, therefore, at least three supervisors (for leather garments, leather goods and ball manufacturing processes) should be given an opportunity to visit appropriate factories in Europe (e.g. in France, Italy, the German Democratic Republic or the United Kingdom of Great Britain and Northern Ireland) for 3-4 weeks each. The candidates should be selected from those who complete the instructors course.

#### Operator training

The training of the operators (especially sewing machinists) is usually organized in two stages. In the first stage, the instructors must be trained either abroad or locally. In the second stage, two foreign experts will be needed for 6-12 weeks, they will be able to train 12-15 instructors by the skill analysis method. Later on these instructors, under the supervision

of a foreign expert, will train the workers. Generally one instructor can handle six trainees and the courses last 8-14 weeks including stamina building. The training of labour for similar operations takes 1-3 weeks.

#### Retraining

Since the initial training covers only a part of operations and is concerned only with standard operations regular retraining is essential. For this reason the factory has an independent instructor, under the technical manager's control, who deals with retraining, with the introduction of effective new working methods and with improving workers' performance.

#### Management training

Technical control of the factory operation, namely production, technological and technical development, also needs educated staff. Application to machine suppliers for free material and scholarships is advised.

#### Follow-up

In September 1979 a large-scale UNIDO project has started, title

Leather and Leather Products Development (DP/ETH/78/001/A) to be carried out

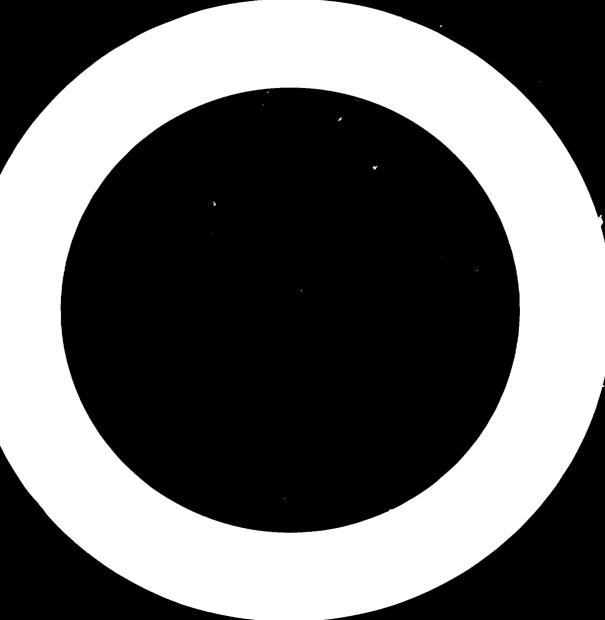
by an international team of experts, to deal, among other areas, with marketing.

It is recommended that the marketing experts task be extended to cover some

market research and to establish contacts for the leather products factory.

The implementation of the leather products factory can be successful only if international experts are involved. NLSC and the Government of Ethiopia should apply for international aid for the following jobs:

- (a) Organization of machine implementation and negotiating with the suppliers one leather garment leather goods technologist, three times for four weeks with travel in Europe;
- (b) Training of instructors and supervisors as well as the follow-up of operator training a training expert in the leather garment goods and technology for six months;
- (c) Training of operators for ball manufacturing one expert in design of leather garments and goods twice for four weeks.



Request from the Provisional Military Government of Socialist Ethiopia for Special Industrial

Services

\_\_\_\_\_20-July\_1979

Annex 1.0

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Addle Ababas with terror within the country

e of projects. As a follow up to the minutes constal out by the leather products and granted seport between 12 Month and 3 April 1979 in preparing a profoughtility study to set up a leather generat and leather goods industry, operts goods inclusive, in the country with an annual especity of 100,000 pieces (units).

> The acataleans to sepatual to be extended for the proposation of a Cinalismi project suitable for issoliate investment decision and guided by eserious studies essated out on the establishment of an integrated loother gools and general walt in the country for both export and describe machoto.

<sup>\*</sup>The annexes have been reproduced without formal editing.

**Jutioss** 

In alose so-eparation with the Ministry of Industry, the Matismal Leather and Shoe Surpression and especiate WEDO advisors, the supert will specifically be expected too

- 1. Suplete the review of the study excisions to by the project \$1/22/77/801/11-01/31.7.3 undertaken desire March/April 1979 in properties a pro-feedbility study on leather goods and general industry in the country: recommend supplementary technical aspects so so to enable the unit to produce sports goods.
- 2. Analyse and recommend best location and smitable site for the plant, in the light of utilities and infrastructural requiresents.
- 3. Propose a factory lay-out, moddinery and equipment lay-out, and recommend the type of building required for the factory.
- 4. Indicate mechinary and equipment requirements, including suriliaries for the targeted production of various product mixes, and indicate and advise on types, prices and origins of the above-mentioned production facilities.
- 5. Indicate the investment and weaking capital requirements, with break-down analysis into items and corresponding costs,

6. Imalyse the ampount requirements electrical by skill and hirst of expectly utilization, impleting tendency requirements and programme.

The expect will be expected to purpose a final separt, artifag out the Shelings of his mission out his assumentation to the Correspond on Surther article which might be telem.

(malifications)

Ty-to date translating of an extensive expendence to the dealgoing and membershape of leather goods including generals. Consultancy expendence to planning and utilizing up leather goods and general membershaping plants would be dealerable.

Language

Sociements

The Liverteek papulation of the country is articuted at 26 million cettle, 24 million down and 16 million made. The count production figures for bides and skins are estimated at assumi 2.5 million entile hiden. 9 million shoughles and 7 million good oblanhas been and other constitute one of the next implement from in the country's expect, second enty to college on a Stocken container commu-Little is experted, houses, in the finished and semi-finished state, although asports to the Duropous mister especially is ballovel to be possising. The existing terresise postly esticity the descal of descatio shoe Instendes. These and the for other leather products manufactured are not experted.

A new Government-owned teaming was started in 1976. The annual production especity of this new teaming in 560,000 kidne, 1,000,000 shoopsakins and 1,000,000 good atims, which is almost double the previously existing teaming especity in the country;

Although the possibility of experting numfinished leather is ally secondard, the present election on the well some suggests canalizing if greater benefits could be achieved through adding value to nemiclimized and finished leather in the country by establishing further leather products numberturing plants, including a leather goods and leather gaments reunfacturing plant,

Annex. 2.0
PRE-INVESTMENT STUDIES \_ND PREPARATORY INVESTIGATION

<b>30.</b>	TTEN DESCRIPTION		COST , 1880	3
200		POREJGE	LOCAL	TOTAL
1	Marketing studies	35.0	15.0	50.0
2	Pilot trials of now models	2.0	3.0	5-0
3	Donign and range building	25.0	-	25.0
4	Building Project	-	105.0	105.0
5	Other investigations	-	20.0	20.0
		<u> </u>		
	<b>— 2021</b> 3	62.0	143.0	205.0

PROPERTIES OF BASIC MATERIALS
TO BE USED FOR LEATURE & PROPECT MAINPACTURING

1. Cont/Shoop happe C.61.0 5.0 776 14 14 14 14 14 14 14 14 14 14 14 14 14		HAPPETAR	AB	THICKNESS	AVERAGE SURFACE	AVERAGE UPILISABLE	UNIT PRICE *
Opent/Sheep         nappe         0.61.0         5.0           "Monasia"         0.61.4         4.5         4.5           hunting         0.61.2         4.6           liming         0.61.2         4.6           matted         1.52.6         12.5           crust         1.52.6         12.5           furtile         1.1ming         0.5         4.7           furtile         1.1ming         0.5         0.5           Leather board         1.1ming         0.4         0.6           Paperbord         1.53.6         10.0           Paperbord         1.53.6         10.0           Paperbord         1.53.5         14.0	2	ORIGIN	PINISE	MAX	89.72		1489.77
### ##################################	+	Geat/Sheep	addan	0.61.0	5.0	*	3.10
Section   Section   Continue   Continue			"Hoeseth"	4.1	4.5	*	2.20
State (edde)			henting	0.61.0	;	2	1.95
Gattie (side)       masoth       1.52.6       12.3         embossed       1.52.6       12.5         erast       1.63.3       12.0         split       1.22.5       4.7         feathle       11aing       0.3       0.0         lastengested       0.4       0.0         lastengested       1.53.0       10.0         Paperboard       1.53.0       14.0			Maing	9.61.2	4.6	2	1.09
board 1.52.6 12.5  11aing 1.52.5 12.0  11aing 0.3 4.7  1aprograted 0.4 ***  board natural 1.53.6 10.0  red 1.53.6 10.0	*	Cattle (atte)	anosth disease	1.52.0	12.9	=	1.93
board 1.63.5 12.0  11ning 0.3 4.7  11ning 0.3 4.7  1ning 0.4 **  board natural 1.53.0 10.0  21ninhod 1.53.0 10.0			pesseque	1.52.0	12.9	8	1.35
11ning   1.22.5   4.7   1.22.5   4.7   4.7   4.5   4			erret	1.63.3	12.0	7	1.8
		·····	split	1.22.5	4:4	8	0.95
Impregnated 0.4 **  natural 1.53.0 10.0  flaished 1.53.0 10.0	<b>*</b>	Textile.	lining	•••	*	<b>x</b>	0.70
finished 1.53.0 10.0			inprognated	*:	•	*	6.43
£2misho4 1.53.0 10.0	<b>÷</b>	Leather board	natural	1.53.0	•••	<b>T</b>	0.6
1.02.5			finished	1.53.0	10.0	*	•••
	*	Paperboard		1.02.5	14.0	*	0.40

\* The data are calculated for the velighted avetage grade of leather to be enneapted.

\*\* Pextile materials have withs 1.2 m and length at leasts 4.0 m.

### ESTIMATED PRODUCT - MIX BY DASIC MATERIALS AT 100% CAPACITY OF ONE SHIFT

				70	S OATTLE	L
110.	PRODUCT/BY - PRODUCT	Prok Briep & Goat	FROM SPLITS	1008813	PINISHED	TOTAL
. 1.	Leather garment	15,000 i	•		-	15,000
2.	Gloves	10,000	•	-	-	10,000
3.	Leather goods			İ		<u>[</u>
3.1.	Handbage	18,000	•	5,000	23,000	40,000
3.2.	Travelling & sport cases	•		2,000	8,000	10,000
3.3.	Briof cases & diplomats	8,000	• • •	2,000	10,000	20,000
3.4.	<b>Vallote</b>	12,000		4,000	10,000	25,000
3.5.	Small articles	10,000	•	4,000	16,000	30,000
3.6.	Belts	5,000	· 🕳	10,000	85,000	100,000
4.	Dalle	<b>`</b>	_	l -	40,000	40,000
5.	Industrial articles	i.	20,000	-	40,000*	60,000

Grand total 350,000 /

" FROM CURST.

- 27 -

#### MATERIAL UTILISATION (ONLY LEATHER CAMPONENTS)

-		PATTERN AREA	NUMBER OF PIECES			CUTTING WAS	HX	
MO.	PRODUCT/	8Q. <b>JT</b>	PER PATTERN	DNAVOIDABLE WASTE AMONG PATTERNS	MATERIAL PAULES	FROM WHOLE ST	LINE LEATTER	
_	BY - PRODUCT	OF PA	Tibes			PAGE & COAT	GATTLE	
1.	Loather garment	12.016.0	3045	1113	20 <b>24</b>	1822	-	•
2.	Gloves	1.42.2	2028	810	18,.,26	1625	-	•
3.	Leather goods							
3.1	Hendbago	2.512.0	15.30	010	2024	1822	1416	2226
3.2	Travelling & sport cases	0.014.0	2035	1012	2022	•	1518	**
3.3	Briof esses & diplomaté	6.014.0	2240	910	1023	1820	1417	•
3.4	Vallets	1.02,0	1225	24	2024_	1215	1015	2226
3.5	Small articles	0.20,0	25	20	2420"	810"	•	2450
3.6	Belte	0.81.4	36	25	1022	2625	1213	2555
4.	Belle	1452.0	1232	47	1020	-	3040	•
5.	Industrial articles	0.115.0	128	/ 110	50	•	1014	1417

REJECT UTILIZATION

- 28

#### ESTIMATED SALES REVENUES

Quantities in 1000 pes er pairs Revenues in 1000 B

	PRODUCT/BY PRODUCT						1982*					
20	DESCRIPTION	THIS	PRICE		QUARTIT	ES		ALES REV	enues		LITTLAU!	ZS.
		EXPORT	LOCAL	EXPORT	LOCAL	TOTAL	EXPORT	LOCAL	TOTAL	EXPORT	LOCAL	TOTAL
1.	Leather garment	180.00	290.00	•	3	3	-	870	870	1	7	8
2.	Gleves	18.00	42.00	•	•	•	- 1	-	•	•	3	3
3.	Leather goods						ŧ l					
3.1	Hand lbage	42.00	65.00	, -	9	9	-	585	585	4	21	25
3.2	Travelling/sport cases	45.00	70.00	•	•	•	-	•	•	•	3	3
3.3	Briof cases/Diplomate	68.00	90.00	•	5	5	-	450	450	2	10	12
3.4	Vallete	9.50	26.00	•	7	7	-	182	182	3	13	16
3.5	Small articles	4.50	9.00	-	12	12	-	108	108	3	22	25
3.6	Bolts	6.50	14.00	*	30	30	•	420	400	1	74	75
١.	Balle ;	•	66.00	•	8	8	1 •	528	528	•	25	25
5.	Industrial articles	•	13.00	•	30	30	•	390	,590	•	50	50
		TOT	L	•	104	104	•	3,533	3,533	<b>. 14</b>	228	242
<del> </del>		pacity uti		,# -,		39.1	•			19.4 5.8		70.1

\* Training period

Local: Estimated average price between goods to be sold in own stores and goods supplied to dealers. Export: C and F Europe.

1983						1984						1985			
BAL	es revi	nues		QUANTIT:	LES.	84	LES REV	enurs		TITHAUP	E4	SALE	REVER	TES	
EXPORT	LOCAL	TOTAL	EXPORT	LOCAL	TOTAL	EXPORT	LOCAL	TOTAL	EXPORT	LOGAL	TOTAL	EXPORT L	GAL .	TOTAL	
180	2,030	2,210	5	7	12	900	2,030	2,930	7	8	15	1,260	2,320	3,580	
. •	126	126	1	5	6	18	210	228	4	6	10	72	252	324	
168	1,365	1,533	17	18	35	714	1,170	1,884	22	18	40	924	1,170	2,094	
•	210	210	1	7		45	490	535	2	8	10	90	560	650	
136	900	1,036	7	10	17	476	900	1,376	9 -	11	20	612	990	1,602	
28.5	338	366.5				22	76	964	440	10	19	25	95	390	489
13.5	198	211.5	6	22	28	27	252	279		22	30	36	198	234	
6.5	1,036	1,042.5	,	85	90	32.5	1,190	1,222.5	10	90	100	65	1,260	1,325	
•	1,650		-	35	35	•	2,310 530			40 95	40		2,640	2,640	
•	650	650	•	53	93	•		530	•		55	•	715		
532.5	8,503	9,035.5	50	256	306	2,288.5	9,446	11,734.5	72	273	349	3,154	0,495	13,649	
16.9			69.4		88.7	72.6			100.0		100.0	100.0	·	100.0	
5.9		,	16.3			19.5			20.9		<b>i</b> i	2341	}		

- 30

#### METCHATED SALES REVENUES

QUANTITIES IN 1,000 pes or pairs EXYEMPES IN 1,000 B

	PRODUCT/BY PRODUCT	استدر والمساور					1986				-	1	
<b>m</b>	DESCRIPTION	ANIX	PRICE		PARTITI	E.S	BA	LES REVEN	788	9	TANTITI	<u> </u>	
		EXPORT	LOCAL	EXPORT	LOCAL	LOCAL TOTAL		LOCAL	TOTAL	EXPORT	LOCAL	TOTAL	
ग	Louther garment	180.00	290,00	10	9	19	1,800	2610	4,410	14	10	24	
2	Cloves	18,00	42.00	6	6	12	108	152	360	8	7	15	
ż	Loather goods	29.87	27.50	75	200	275	2,240	5500	7,740	110	270	380	
4	Balle	36.00	66.00	2	43	45	72	2838	2;910	3	67	70	
5	Industrial articles	•	13.00	•	90	90	•	1170	11770	•	94	94	
T	TOTAL			93	348	441	4,220	12370	16,590	135	448	583	
T	2nd shift share, \$					21.8			11.3	,		40.8	
ļ	2nd shift superity ut	ilisation,	K			31.6						74.0	
	Overall separity will	lantion,#				64.9						85.7	
1	Export rate			21,1			25.4			23.2			

- 31 .

					1	988					19	189		
88	TES BEA	MAES	9	VANTITIE	\$	SAL	es ruyen	VE6	9	VANTITI	E4		ALES EF	ENTES
EXPORT	LOCAL	TOTAL	XPORT	LOCAL	TOTAL	EXPORT	OCAL	TOTAL	PLFORT	POCAF	TOTAL	EXPORT	LOGAL	TOTAL
2,520	2,900	5,440	16	12	28	2,880	3,480	6,360	10	12	30	3,240	<del></del>	6,360
144	294	438	11	11 7 18		198	294	492	13	7	20	234	294	528
3,286	7,425	10,711	125 300 425 4 72 76 - 96 96	3,734	8,250	11,984	140	310	450	450 4,182	8,525 12,707			
108	4,422	4,530		144	4,752	4,896			80	80 180		5,130		
•	1,222	1,222		<b>b</b>	1,248	248 - 100 100			•	1,300				
6,058	16,283	22,341	156 487 643		6.956 18.024 24.980			176 904 680			7.836	26,025		
	33.4			46.3				43.5			49.3			52.
1				91.9							100.q			
				94.6				' '		1	100.q			
27.1			24.3		1	27.8			25.9	}		30.1		

32 -

SALES AND DIFTRINGTION COFTS

	• II	2		THE GOST				
Be	VA	74	IPM DESCRIPTION	POTENCE	LOGAL	PORTION	COCAL	TOTAL
-			SALES COSTS					
1.1.	~		Treining	•	••	•	8:0	
1.2.	0.2X	×	Advertising			•	24.7	24.7
1.3.	0.5	×	Allevance	_		٠	6.5	5.5
1.4.			Rest				:	
1.5.	2	•••	Packaging naterials	•	***	•	\$0.0	2
1.6.	~		Travel expendes	7.9	6.0	19.0	4.5	16.9
1.7.			Others			1	36.0	9.0
*			DISTRIBUTION CORTS					
<b>8.1</b>	330	ž	Containess .	•	3.5	•	17.5	17.5
2.2	×	2	Prolet & forunding			20.0%	10.0	÷:
2.3	•	×	· notestan			93.0	175.0	370.0
2.4			Packaging natopials			•	175.0	175.0
			77202		-	140.0	17499	207.4

\* 1000 Mirrs

SUPPLIES OF MATERIALS AND LIFTER

		PRODE	PRODUCTION CONTR. 1980 3	1000 2
100	PROJECT COMPONENT	ROTATOR	LOGAL	TOTAL
;	Logther garment manufacturing	374.5	1,013.4	2,107.9
3	Olove mantacturing	42.7	7.10	184.5
*	Leathergood manufacturing	1,041.5	2,199.4	3,236.9
4	Juli manefacturing	360.7	302.4	663.1
56	Intestrial articles menufacturing	80.9	120.9	149.0
	SUPTOTAL (DIRECT)	6.680,1	4,521.3	3119619
6.	Reintonence and frothery emply	67.6	93.0	140.0
*	Storing and transporting	42.0	.39.0	411.0
	Hanagement and administration	15.0	199.0	174.0
	STOTAL (INDIRACE)	174.0	251.0	325.0
	#OTAL	2,013.9	4,772.3	1,666.1

# HATTELL ALL LIPTIS

1. Leather gament names of unitage

	8	<b>31</b>		BILLE	2500	00 FT. 1008 3	
D	12 20	10.00	Trie Description	6026	7011(01	TOUT	907AL
•	570		BARTO MATERIALS				
1.1.	570	2:	Louther	3-10	1	1.767.0	1,767.0
1.2.	¥	~_	Lining (tentile)	*:	147.0		+47.0
1.3.	=	~_	Intertining	2	£.5.	•	<u>:</u>
ä			STATES AND THE STATES		•	,	
2.1.	2	ž	Mattens	*	***		**************************************
2.2.	•	ž	Decembles	*	12.0		12.0
*			AUTHABL MANBIALS.				
3.1.		2	Throad	47.00	•,•		=======================================
3.2.	\$	ž	Reelles	6.15	:		•••
	3	ž	Prokaging materials	*	,	4.9	4:9
3.4.	=	×	Spare parts and tools		73.6	22.0	***
3.5.			ores		•	:	į
÷			Meaning .				
+-1-	2	£	Pever	¥:	3	5.9	636
4.2.	*	2	Lichting	3.	*	•••	3
4030			013679			2.0	800
			TOLO	2	574.5	1,013.4	2,107.9
			*		11.1	65.9	100.0

# MATERIALS AND INPUTS

OI	×			1			
	•E/	ä		ATKA	0	0057. 1000 B	
200	1	T.C	ITER DESCRIPTION	2087	POREGOR	LOUAL	TOTAL
-			PASIG HATERIALS				
::	ta	17.10	Leather		•	19.1	19.1
1.2.	0.0	~ ,	Lining (textile or knitted)	0.90	•:•	4	6.6
ä			CONTO HERT.				
2.1.	*	į	Dattone	69.0	2.6	•	5.6
			AVIILIANT MAVERIALE				
3.1.	0.03	•	Throad		***	•	7.8
3.2.	15	:	Toodles	**	3.0	,	3:0
3. %	••	ž	Calibors (dies)	140.00	14.0	ŧ	14.0
3.4.	=	×	Spare parts		5.4	•	7.8
3.5.	ann A		Toole		5.5	•	5.5
3.6.			Others (inel. peckaging)		3	•	:
÷			BETATETAL				
4.1.	•	2	70.02		•	**	7:
4.2.	3.4	T.A.P.	Lighting	•••	•	a	:
46.50			Others		•	9.5	6.5
			TVBOB		42.7	9.10	124.9
			×		34.4	69.6	••••

### MATERIALS AND INPUTS

# J. Louther good manufacturing

	3 5	21	·	ANIS	00	FT. 1000 1	<u> </u>
10.	8 2		item desgrecters	PRICE	PORTIGH	LICAL	TOTAL
1.			BASIS MATERIALS				
1.1.	330	fl.pe	Skine	220	-	726.0	726.0
<b>, 2.</b>	105	PQ.51	Inboseed hide	135	•	141.8	141.9
.3.	670	93.50	Smooth hide	1.95	} '	1,506.5	1,306.5
-4-	36	<b>1 2</b>	Textile linging	7.00	252.0	-	252.0
.5.	\$0	<b>n</b> 8	Reinfereing textile	4.30	06.0	1 - 1	86.0
1.6.	10	<b>32</b>	Loathor/paper board	7.00	70.0	•	70.0
2.			GONDO HENER				
1.1.	<b>55</b>	700	Sippore	1.05	57.0	-	57.0
1,2,	<b>30</b>	700	France, springs	0.00	24.0	-	24.0
2.3.	300	>00	Rivets, eyelets, buttons etc.	0.02	60	-	6,0
1.4.	40	700	Leoks	2,40	96.0		96.0
1.5.	110	200	Buolos	210	231.0	-	251.0
3.			AVXILIARY MATERIALS				
1.1.	1.5	<b>.</b>	Thread	47.00	70.5	-	70.5
3.2.	200	700	Hoodles	0,10	20.0	-	20,0
	0.6	Pes	Glicking dies	12.00	7.2	-	7.2
3.4.	10	×	Spare parts and tools		103.0	6.0	109,0
.5.			Othere		18.0	5.0	25.0
4.			PRILITIES		{		
1.1.	150	IM .,	Povoz	0.06	-	7.0	9.0
1.2			Lighting TOT.	0.06	1,041.5	2,195.4	3,256.9

# MATRIALS AND INPUTS

# 4. Ball manufacturing

	48	21		THI2		COST. 1000	)
10.		Ħ	ITEM DESCRIPTION	PRICE	PORRIGH	LECAL	TOTAL
1.			DASIG MATERIALS				
1.1.	150	eq.ft	Leather	1.95		292.5	292.5
1.2.	10	2.	Textile	4.00	4,00	• 🕶	48.0
2,			COMPONENTS				
2.1.	41	200	Madeore	6.50	266.5	•	266,5
3.			AVEILIARY MATERIALS	İ			
3-1	0,0	300	Thread	24.00	19.2	•	19.2
3.2.	60	700	Woodles	0.10	6.0	•	6.0
<b>3.3.</b>			Olioking dies & tools		•.•	3.0	11.0
3.4.			Chemicals		10.0	3.0	-15.0
<b>3.5.</b>			Others		3.0	2.0	5.0
4.			VFILITIRA				,
4.1.	15	ma	Povoz	0.06	-	0.8	ა.
4.2.	18	XVA.	Lighting	0.06	-	1.1	1.1
<del></del>				TOTAL	360.7	302.4	663.1
				×	54.4	45.6	100.0

MATERIALS AND INCOME

9. Industrial articles manufacturing

	27 Y	<b>51</b>		AMA		COST. 1990 B	2 0
<b>10</b> .	<b>1</b> 2		TTHE DESCRIPTION	PRICE	FOREGE	LBGAL	TOTAL
•	·	-	MATC NATITIALS				
1.1.	•	2:2	Skine"	1.39	,	-	621
4,4	=	2:3	Cattle Statebod	1.30	•	16.6	15.6
1.35	3	2:3		1.20	•	72.0	72.0
7.40	2	4:14	89114	0.95	•	\$702	80.5
		•	BULLO IE IE E				
7.3	•	ž	Saokles.	6.69	0.3	.0	0.5
1.2.	:	į	Riveta, pings etc.	6.03	•:3	•	K*0
2	•		ARTEGAT MATHETALS				
7:5	*	•	Thread	44.00	7:0	•	7:6
3.2.	\$	Ì	Modito	0.12	•	ı	••
3.3.	20.0	į	Clicking dies & teels	12.00	••3	•	<b>8.0</b>
3.4.	9.03	į	Olieking beards	170.00	3.4	•	2.4
3.3.			Othere		:	3.5	8.0
+			MINISTER				
4.1.	*	4	Povey	<b>76.</b>	8	93	••
4.1.	*	2	Lighting	0.06	•	0.3	6.3
				TOTAL	80.5	120.5	149.0
				×	12.0	67.2	100.0

\* REJECT STILIBATION

\*\* READY TO PINICE LEATHER

MATERIALS AND INFOTS

6. Maintenance and fretery supply

.v.	81		ANG	COST	GOST. 1000 3	
9	2	ITH BESONTFISH	2400	PORETON	LOGAL	TOTAL
•		MARIO HATHRIALS			-	
70.0		He tal		9.6	80.0	25.0
*		Textile (rage etc)		٠	8.6	2.0
3.	`a	043	\$	120.0	•	120.0
-		Others		•••	:	••
		2007				
		Maintenance		3.0	2.0	5.0
		Josephine Solution		•••	8.0	3.0
		Spare parts		•••	ı	10.0
•		· Others		5.0	2.0	10.0
		AUXILIARY MATHRIALA				
•		Libricant and oil		••	. •	:
		Per elecating		•••	0.	12.0
		Others		15.0	•••	25.0
+		THEFT				
	2	Bleetrietty (pever)	90.0	,	4.0	••
4000	2	Lighting	0.03	•	• • • • • • • • • • • • • • • • • • • •	0.3
3.	•	Others		•	0.7	0.7
			TOTAL	177.0	53.0	230.0
			×	11.0	83.0	130.0

# WPERIALS AND INPUTE

7. Storing and transporting

	200 200	2		AMA	2300	COST. 1000 3	
4	; =		TIM DROBITION	0000	FOR FIGH	LOCAL	TOTAL
•			ALTERIAL DE		•	÷	
	*	į	Packaging	0.19	31.0	20.0	51.6
	ዴ	~	Fluct	0.10	21.0	•	21.0
	=	×	Spare parts and tools		19.0	2	80.0
+			Others (incl. carillaries)		9.0	10.0	15.0
			1-14मास				
.2.	2	£	Pover and lighting	9.0		a	1.2
.3.			Othere		•	2,9	2.0
			£	TOTAL	72.0	39.0	111.0
•				×	64.9	35.1	100.0

MATERIALS AND INFERS

0. Administration and menagement (incl. design and training)

MATRICIAL   PORTICE   PORTICE   LOGGL		-31	æ		2000	COST. 1000 B	2 2	
	. M.	20	W.	TTM DESCRIPTION	0001	PORFIGE	TOOT	TOTAL
Paper and earbona   5.6	-			HATTELANA				
#110s   Pindianory   - 2.0   Others   - 35.0   Others   - 10.0   EGIZERE	1.1.			Paper and earbons		ı	•:	2.0
State   Stat	1.2.			71100		•	2.0	•:
3   X	1.3.			Stanfonery		•	35.0	35.0
3	+:+			Others		•	•••	10.0
3   X   Sepre parts   19.0   19.0   19.0	ď	المراجعة		RECTREE				
### ### ##############################	2.1.	^	×	stre parte		15.0	5.0	33.0
25 EV Press and Mighting 0.06 - 1.5 Others MARABERE STREET  MARABERE STREET  Briaks etc.  Ebffe, tea etc.  TOTAL 15.0 155.0	*			TEXASTER	₩.			. '
	3.1.	\$	2	Peser and Mighting	***	•	1.5	1.5
	3.2.			Others		•	2.9	8.9
Elefte, tea etc 60.0  TOTAL 15.0 159.0  X 0.6 91.4	÷	س		MANAGERIAN APPEA				
TOTAL 15.0 159.0 × 0.6 91.4	4.1.			Brinke etc.		•		:
19.0 199.0 X 0.6 91.4	4.2.			Beffe, tet etc.		•	5.0	5.0
4.16 9.4					TOTAL	19.0	159.0	174.0
					×	· ·	7.4	100.0

. Including lighting in cleak-rooms

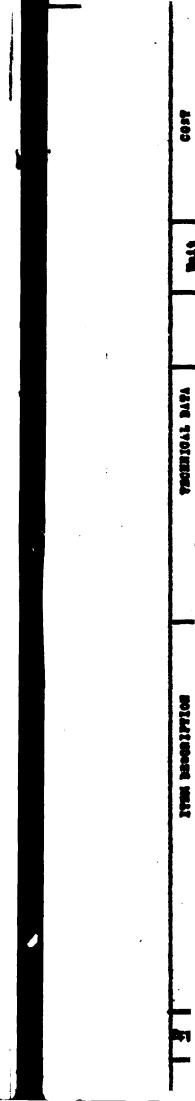
# SUSSELL OF RQUIMME

			TROUBLEASE DATA	PATA .			400	
ż	DREGREPTOR	Eg.	Kv.	n3/a	Pered ga*	Tood	fotel	*
•	Production opplyment	35,764	113.9	13.4	996'009	٠	096'309	9*9†
•	Auxiliany equipment	1.340	49.0	•	95,920	220,420	204,340	19.5
•	Berriotze equipment	2.1%	14.1	•	845,370	36,280	279,650	19.8
•	Office equipment	31.	1.3	•	45,500	67.040	111,340	7.6
	Primary stock of spare parts & tools	1.070	•	•	96.496	4,000	105,490	7.1
	Into total	49:364	170.5	49.4	1,119,640 **	339,540	1,459,180	100.0
	ad ad	(635)		·	118,66		126'60	
	Total Prolich				14.971	10,106	757.66	
	Sotol		•		1,209,211	349,786	1,550,937	
					77.6	15.4	100.0	

# PATIFICAL

	<b>\$</b>	ITM DESCRIPTIO			THOUNION	L DATA*		Vn14		6087	
JQ.		Boulpoont	Зуре .	Kg.	Iv.	и <sup>3</sup> /Ы	Origin	Cost	Pereign	Local	Total
	<b>A</b>	BEODECATOR ECATIONES									
1	1	Straight-knife eloth outling mechine	48 5293-1-X	15	0.5	•	Pengary	720	720		720
2	1	Bigo-knife sloth cutting machine	<b>68 552</b>	1	0.1	•	Rugery	500	<b>500</b>	-	500
3.	1	Band knife eloth outting machine	EAST R 1555	150	0,8	-	Hungary	3300	5500	-	3300
4	12	Seing-are cutting machine	EARY & 105	13200	26,4	-	Rengary	5200	74400	-	74400
5	1	Tape outting machine	ALDIKO	240	2,5	-	FRG	1400	1400	-	1400
6	2	Stamping and marking machine	Kar offi	220	0.0	1,2	Busgary	7100	14200	-	14200
7	1	Stitch marking machine	ALDIKO	60	•	-	FRG	1500	1600	-	1600
•	2	Band-knife oplitting machine	PORTURA HAP 470	1140	3.2	-	PRG	16000	32000	-	<b>520</b> 00
•	6	Skiving mehine	PORTUNA 505-AG	660	3.0	•	FRG	4300	25000	-	2580d
10	4	Bigo felding machine	COMELS 38	720	3.6	•	Italy	4100	16400	•	16400

<sup>.</sup> Toobnical data refer to the quantities to be obtained,



•	Potel	31808	8	90736		9160	17890	90066			90267	19900		3	266	2000	9897
1400	Local	•	•	•		•		•	1	•	•	•		•	•	•	
	Peretor	31800	999	26400		<b>8</b>	17850	93000		3	49200	19300		3	3930	2000	46%
· Tag	Cost	90901	2	3		3	2.2	3			*	3900		R	3930	3100	4830
	Ortota	Landrag	2	2		2	*	2		<b>!</b>	£	ž	1	}	2	Bengary	•
PROBELOAL BATA	1.7A	0.87	:	•		•	•		1	•	•	•		•	٠	•	•
ROSA	Kv.	93.0	•			•	••	•••			•			}	:	7.0	••
	re.	9961	2	9	, ,	2	<b>%</b>	9536	:		•	2,7		}	2	2	•••
TARK BENGSTATION	type	00 171 EMB. 00 10-36	ACM	volum societ		ANIM SPE-143	920-966 MEZET	the sp-yes			ANIM 160-375	ABLER 167-878	9700-07		***************************************	the ask astr	tos unter
1 Mar	Berlyssel	Restropromette press	Paping/otes reinfereing	single seedle flet-bet	Magle seedle flete-bed	stude methos single medie fiet bet	cessing mobiles	pordag mehino	dagle seedle syltsdes-bed	, .	Tris media Clatited	souls mebine	Teln needle flat-bed greing	Past-seas sering mobiles	(sesting)	De-tester	Iny-techor
70	4	•	•	•	5	•	8	;	•	=	•		*	•	<del></del>	-	-
	2	F	*	•	?	2	¥		-	2	\$	)	2	ä		2	=

T	31	TTEM BESCRIPTION	,		TROUNIGA	L DATA		Tel 1		COBT	<u>.</u>
••	Í	Reulpment	<b>2330</b>	Lg.	Ev.	M3/E	Origin	cost	Fereign.	Lecal	Total
7	1	Button seving mechine	08 NSS-37	110	0.4	•	Impry	4670	4670	•	4670
,	1	Dutton-hole making machine	DÜRKOPP								
- 1			557-234	210	•,•	•	PRG	7400	7400		7400
6	1	Clove decorating (femay stan	PORKERT		}						
1		powing machine)	301/16FE	, 90	0,2	•	FRG	3700	5700	•	3700
7	4	Clove princean machine	POREET 65	280	1,2	•	PRG	2000	11200		11200
•	1	Hand-stitch seving machine	PORKERT 100	90	8.0	•	<b>TRG</b>	8200	8200	•	8200
,	1	Chere pique mechine	PORERRY 55L	70	0.1	•	yrg	2900	2900	-	2900
0	1	Egoloting machine	EARG 31	140	0.6	•	716	12000	12000	-	12000
1	1	Rivetting machine	ALBERO 131 MANR -60	260	•	7+2	PAG	, <b>25300</b>	25300	•	25300
12		Pagh-button fixing machine	ALDEKO	370		6.5	TRG	18500	10500		18500
13	2	Productic prope	DIMA	70		0.5	yrg	2500	5000	•	5000
4	1	Bigo dyoing mechine	PROTOS	50	0.5	-	726	1 600	1500		1500
35		Soan subbing down mechine	ALDEKS 120	60	0.3	; , <del></del>	270G	1500	1500	•	1500
6	2	Universal Pressing machine Evening Jench with iven	00351 72-22-20 00 394+	lace	•	12.0	Hungary	3540	11800	•	11800
			C# 392/1	30	1.0		Hungary	820	820	١.	620
8	5	Irening bench with electric iren	08 394+	_							***
			OB 395	150	5.0		Bungary	800	4000	۱.	4000
•	1	Biroot delivery conveyer		_		1				1	1 4000
		(45 working place)	EABY MIST	7000	4.2	1 -	Pangary	21200	21200	1 -	21200
0	8	Meetrie ferming and ironing		Ī						1	1 *****
		mehine	PORKERT PJO	40	3.2		720	1200	2400		2400

<sup>\*</sup> Tochmical data refer to the quantities to be obtained.

	•			<u> </u>			\$				
	8	ITEM DESCRIPTION		TROUNTS	L BARA			ANIL -		COFF	<b></b>
30.	8	Main Tupi	TIP	70	_IX	X/A	ORIGIN	UO EZ	PORFIGH	10141	TOTAL
41	3. 10	AUXILIARY ROWINGST  Strackwents to the seving machines	ADLER PES PES PESOO GRIO7 B 41 VL 125 UL 169 GPS 250 oto.	70		•	720	370	3,700	•	<b>3,700</b>
42.	. 6	Ironing forms	PORIERT DF 20/1 DF 20/2 DF 20/5 DF 20/4	••	-	•	7RG	100	1,000	•	1,000
43.	4	Hend Iron	GB 392	10	4.0	-	Hungary	210	849	•	849
44.	- 5	Automatic atom zisos	GE 390/12	1000	45.0	-	genteral	2,000	4,000	•	14,000
45.	1	Store for dies	203	300	-	-	776	1,300	1,500	-	1,500
46.	220 m	Sliding tables with connectors		19,600	-	-	Local	250	-	61,600	61,600
47.	3	Laying up table		450	-	-	total	200	-	849	040
40.	<b>39</b>	Horses for leather		750	-	-	Local	120	-	3,600	3,600
49.	130	Sowing seats for ball making (feal)		1,700	-	-	tooal	350	-	45,500	45,500
50.		Exhausting cabins		900	-	-	Local	270	-	2,160	2,160
51.	1200m	Shelves for stores		12,000	-	-	Local	60	-	72,000	72.000
52.	6	Brying vardrobs		400	-	-	Local	120	-	720	720

<sup>\*</sup> Technical data refer to quantities to be obtained

+	Ţ	TOTAL SERVICE		1013	PROTECTION D	ATA		THE		2800	
1			BALL	91	A.Y	K-7/1	ORIGIE	COST	POREIGE	LOGAE	1074
1		THOTPAN						•••	·	40.00	49.00
Š	Ī	Denohes (600x1100 mm)			•	•	1				
3	2	Chatre	KARY OFERA	8°.	•	•	Bungary	2	• 0 : • 5	ı	
	:	Panel Jose	EA.17 M	*	•	•	Pungary.	3	9,0	•	5.0
3	:	Bereas contatuone	EARY M	3,000	•	•	Bugary	_	20:000	•	<b>50,050</b>
	•	THE TOTAL OF THE TANK OF THE T			,			44.	-	(	44.100
2	-	Lathe	222	252		•	Handen?	_		•	
3	-	Militar meebine	NISC	+	3	•	Bangary	<b>3</b>	90 °		
;		Prilling months	<b>8330</b>	2.	4.6	•	Bungary.	3.5	3,5	•	ž
•		Petiline mention	951H (mac11)	•	4:0	•	Bungary	2.5	E	•	2
•	• •	Die bendine neabine		380	. 8	•	Austria	1,78	1,100	•	÷.7
	• •		TYPOTS.	•7	~	•	Austria	\$	\$	•	\$
	-		***		7.0	•		•		•	1.90
3	-	HISOTERS VOLLING MARKETS	•			)				(	3
3	-	Crinding mobiles		3		•	:	R	3	•	
3	-	Congressor (se m <sup>3</sup> /h, 6 ear)	•	330	7:e	•	:	<b>8 8</b>	\$	•	
3	-		TOTOTA	•	•	•	Japan	\$		•	16.0
į	• •		•	8	•	•	•	93,6	19,08	•	19,00
•	•		Bost	3	**	•	· • • • • • • • • • • • • • • • • • • •	99.	9,7	•	<b>9</b>
3	•	Company for antiferral	•	100	•	•	Yeer	4.4	• •	1,40	+.+ +.+
	•	Cash sounter	OLIVETEI	3	•	•	Italy	2,	2	•	2
,	• •	94616	•	*	•	•	local	3	•	200	32
	, ;	Chaire		*		•	10001	3		3	<b>.</b>
		Neal few alachaness		450	•	•	10001	2	•	4.00	4,05
	<b>}</b>	Variable für allek - ress	•	80.6	,	•	10001	\$	•	20,900	20,900
2	-		•	**		•	70007	630	•	650	\$
	_		_					_			•

\* Technical data refer to quantities to be obtained

	1										
		ITEM PROGRITTION		TRUBELIAL DAT	IAK DATA			AILL		0067	
Ma	•	3.67.1.68	17.72	7.0	W	V	ORIGIN	1900	FOREIGE	TOGAL	TOTAL
	<b>»</b>	OFFIGE BOUTHER.									
2	2	454	:	=	٠	٠	1000	7	•	0.370	0,370
Ė	•	Typing deak	:	:	8	ı	1000	150	•	136	150
į	2	Paraiture (different vardrebes,		•							
		class eases etc.)	:	1,20	•	•	7700	<b>*</b>	•	53,000	33,000
2	<b>~</b>	Table for negstations	:	2	8	•	7700	2	•	1,120	1,120
2	2	Decreent stere	•	0	•	•	:	430	9,00	•	9,000
<u>:</u>	^	Typewatter	OLIVETER	73	••	•	ATT	:	4,500	•	4,500
ä	2	Calmonlators	EANTO	\$	•	•	ayen	\$	4.00	1	4,000
÷	-	Conting mechine	RANK - XEROX	=	•	•	VB.	17.00	17.00	•	17,000
i	*	Safe	•	2	1	•	:	2,000	4,000	•	4,000
	3	Chair	•	=	٠	•	7700	3		9,6	909.6
ž		Others	:	*	•	•	:		2,000	15,000	20,000
	4	PRINARY STOOK OF SPARE PARTS VEAR									
5		AID TEAR PARTS TOOMS									. =
<b>;</b>		Spare parts for production acohines		4,0 80,	•	•	- Trot	:	70,000	•	70,000
3	2	Outting beards -	KYM	20	•	•	angery.	170	4, 250		4, 250
\$		Tools for saintenance	-	<b>0</b> 000	8	•	1000	:	•	2,000	2,000
į	2	Seinsorn for glove entting		2	•	,	veten	\$	•00•		000.
Ë	*	Belssera		=	,	•	Tangenty.	=	00	•	•
35	8	Enives		170	•	•	표	•	230		840
33.	1	Other production teels		***	•	•	1 xof	:	1,200	8	1,200
ž		Cleaning teels and materials		:	•	•	1000	:	<b>8</b> ,000	•	2,000
25.		Others		•	•	8		•••	10,000	5,000	15,000
-	•	•									-

\* Technical data refer to quantities to be obtained

. ANNEX 5.2

PIZL	OF.	ALTERN	W.I.TAR	RAUTH	MT-1A.1

			GOI	RESPONDING TYPES DI	ORIGIN		
No. IN	RECONCUENCES					OTT	<b>R</b> 8
S.1	7772	726	VE/USA	TPAT	Japas	2772	ORIGIN
1	GB 589 3-1-K	KURIS KY 140	BOLLHER PRES		,	em 6 Rem	GDR Vser
•	es s 52	KANIS DOM 20 Kanis moaisy	DVLLMER 602 %			R00G S/100	PEASSLANDS
3	EASY R 1535	EURIS 330 250	BULLMER 772 S	RIMOLDI 850/1			l
4	EAST 0 105	EATD7 422	BVSN NO.1	ATON		8719 6119/91	
		SCHOR ST		SOINEX G222 TORBLL 999		ANNER 109	PRANCE
,	ALBERO	ļ	·	SOIMEX		ANYER	ABTHOR &:
6	EAET 0751	VSK FF-1	Dush Ho. 54				<b>)</b> (*
7	ALBEEO		nush no. 6	TORBLL & 720/A		ļ	1
•	PORTURA HAP 470	ALDEKO 43 K Moenus 11320	Dun no. 5	TORELLI 326		SVIT 6122/71	CERMOSL
•	PORTURA 508-AG		VSM AVMA 12 TORELLI 105	SOINEX 765	STIP	SYIT	CHEMOSL.
10	COMPLE 38	ALBERO 107	Dush C	BAGITTA 67		ANNER COMPART13603	PRANCE CDR
				SOMEX 665 TORBLLE 1229/0		KAHY 0747	EUNGARY

	•		CORRE	PONDING TYPES BY ORIG	11		
MARY 10. IR	RECOMMENDED					01	rkers 
,1	TYPB	77.6	UE/USA	ITALY	EAÇAŞ	917E	ORIGIN
11	08 371 XX	ROPPMAN AX		MAPS 1 200		ap 25	Vest
12	ANIC			TORBLLI 1001/M			Į.
13	ADLER 396 - 121	PPAPP 463-A	SINGER 331 K	MINCONI 660	YURI DDL 555	TRITINA 0332	GDR
		DURKOPP 211-1	SINGER 211 G		ONING	GB 12150	HUNGARY
1			İ			EANY V1201-71	MUNGARY
14	888 13	$\frac{\hat{V}}{\hat{v}_1}$					
15	ADLER 396-176	27A77 543	SINGM 331 K	} .	yuri	EAST V1272	MUNGARY
	• *	<b>37</b> 477 403		MECCHI 670			ł
		77A77 441			SBIKO LEV	NIMERYA 72207	CENCHOSL,
16	ADLM 69-362	27APP 535	SINGER 108X	NECOMI 840	SRIKO LSC	MINERYA	CHEMOSL.
I			<b>i</b>	801MEX 934			
19	<b>SER 16</b>				•		
19	ADLER 167-872	PFAFF 546-855	SINGER 17Y			•	
20	ADLER 67-1262	PPART 544-789		MECCHI 925		EABY 1213	BUNGARY
21	ADJUR 104-102	PFAFF 410-45		]	SEIKO SMIJ6		
22	es 652 AEXT	27AFF 3337	SINGER 269V	MECCHI 420		!	
l		DVRKOPP 560					ŀ
23	ADLER 504	27AFF 3136	SINGER 269 V				
24	Ca Mass - 37	<b>27127</b> 3331	SINGER 270-37	MECOMI 440	YUKI KB 372		ŀ
27	PORKERT 65	MIGLER 131	SINGER S 172			DOBRIS 071	CZEEOSL.
20	PORERY 55	SINGER 8 91					1
<b>30</b>	HANG 31	ALDEKO	bush no. 74	SOIMEX S1400		KABY C	
				TORBLLI 11/0772			1

,			CORR	Corresponding types by origin	ORIGIE		
AMERICA MARINA	FITTE					CTRES	
9.1		ne	WK/WSA	TPALT	SAPAN	2172	ORIGIN
	, if omer	DRVR		801KK 8 1600			
	ALDEKO			801)EX 8 1650			
_	MIN	PROTOE				ANYER	FRANCE
_	PROTOS			SOLINEX 205			
2	ALDERO 120			PORELLE 1069		2112	CIROSI.
_							
	92 394	HOPFILM TP-4		MAPOI 101			
_	2 m 37						52
_	EAST M 157		DUSH SATERA	FORESET 184		MIMASA	BYTH
*	08 392	HOPFRAN RDA		MAPG 102-2			
		STROBEL					
<b>-</b>	08 396/12	STRONOSIES					

OTTL MOINEMEN WORLS

### PROJECT CONTROLLED  ##################################			THE BOY	INTERTMENT COST. 1000 3	2 600
Hite proparation (ff.400 m <sup>2</sup> )  Production and management building (3700 m <sup>2</sup> )  Becoption building (72 m <sup>2</sup> )  Stere of inflamable meturials (40 m <sup>2</sup> )  Reserved; (2,000 m <sup>3</sup> )  France (600 m)  Reserved; (2,000 m <sup>3</sup> )  France (600 m <sup>3</sup> )	é		FOREGE	17007	TOTAL
Production and management building (3700 m <sup>2</sup> )  Bosoption building (72 m <sup>2</sup> )  Bosoption building (72 m <sup>2</sup> )  Noneytion building (72 m <sup>2</sup> )  Noneytion building (1,079 m <sup>2</sup> )  South setting (1,079 m <sup>2</sup> )  Southing area (690 m <sup>2</sup> )  Southing area (690 m <sup>2</sup> )  Southing (1,079 m <sup>2</sup> )  Southing (1,079 m <sup>2</sup> )  Southing	=	Ette proparation (22,400 m <sup>2</sup> )	•	126	78.
Necessition building (72 m²)  Store of inflamely maturials (40 m²)  Necessition (2,000 m³)  Necessition (2,000 m²)  Necessition (2,000 m²)  Necessition (2,000 m²)  Necessition (2,000 m²)  Occurate building (1,079 m²)  Occurate building (1,079 m²)  Occurate building (1,079 m²)  Occurate building (1,079 m²)	**		•	1,739	1,739
Store of inflameble maturials (if m <sup>2</sup> )  Nonestate (2,000 m <sup>3</sup> )  Nonestate (2400 m <sup>3</sup> )  Nonestate area (690 m <sup>3</sup> )  Northing area (690 m <sup>3</sup> )  Oremate building (1,079 m <sup>3</sup> )  Oremate building (1,079 m <sup>3</sup> )  Oremate building (1,079 m <sup>3</sup> )  Oremate building (1,079 m <sup>3</sup> )  Oremate building (1,079 m <sup>3</sup> )	Z	Recoption building (72 m <sup>2</sup> )	,	22	33
Newsonian (8,000 m <sup>3</sup> )  Touristing area (890 m <sup>3</sup> )  Touristing area (890 m <sup>3</sup> )  Touristing (15,000 m <sup>3</sup> )  Gremmic building (1,879 m <sup>3</sup> )  Desiler	*	Store of inflamble unturials (44 m2)	•	*	*
Function = )  North (s400 = ?)  Furthing area (690 = ?)  Furth sotting (15,000 = ?)  Gremate building (1,079 = ?)  Desiler	Š	Reservedy (2,000 m <sup>5</sup> )	•	:	:
North (t400 m²)  Further area (690 m²)  Furth motting (15,000 m²)  Gremate building (1,075 m²)  Demandention  Parity	ં	Funca(600 m)	•	\$	•
Parking area (690 m <sup>2</sup> )  Fack sotting (15,000 m <sup>2</sup> )  Grennds building (1,079 m <sup>2</sup> )  Grennication  Jeiler	Ŀ	Roads (2400 m²)	•	***	**
Park sotting (15,000 m <sup>2</sup> ) Grennds building (1,079 m <sup>2</sup> ) Grennication Joiler	:			413	113
Gremade building (1,879 m <sup>2</sup> )  Ourmanisetion  Delier	ć	-		2.	-20
Delice 29	ę		,	364	384
Delley 29	=======================================	•	•	•	:
	11.	Belley	23	•	22
		TOTAL	23	3,127	3,192

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30.0 40.0 10.0 10.0 10.0 10.0 10.0 10.0 1	2	GOST ITEMS	BOCIAL PLANT BEHVICE HANCOE.	BOCIAL PLANT PURCHA RNYICE MANGOR ING	FURCHAS.	CENTRES EPAIR AND AINTENANCR	TOVER B	FOTAL	Administration Administration Ration Inc	_6_	COST CENTR N- ACCOUNT- ING	SUS- POTAL	BUE- FOTAL OTAL
10.0 and a 1.0 a	-	Matatemanee	••	•••	•	-•		0.0	0*01	•	•	0.01	0.06
10.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	•	Insurance	2.0	****	0.8		•	•••	20.	•	•	1:0	<b>30.0</b>
3.0 - 16.0 5.0 - 16.0 - 16.0 - 10.0 8.0 12.0 11.0 11.0 11.0 11.0 11.0 11.0 11	^	Communitation	•	:	•••	•	•	2.0	4.0	•			13.0
16.6	_	Travel	• • •	•	0.01	0.6	•	10.0	•	0.0	0.4		× ×
ab.o 99.6 16.0 7.0 90.0 . 90.0 .	•	Land Charges	•	16.0	•	•	•	16.0	٠	•		•	16.0
48.0 99.6 16.0 9.0 - 10.0 5.0 b).0  13.1.9 - 11.9  13.1.9 - 11.9  14.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9  15.1.9 - 11.9	•	MLSC Contribution	•	•	•	•	8	•	90.0	•	•	90.0	90.0
tjamah - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.6 - 547.9 - 547.9 - 547.9 - 547.9 - 547.9 - 547.9 - 547.9 - 547.9 - 547.9		SUBTOTAL	98.0	9966	16.0	9.6	•	46.6	68.0	0.01	9.0	83.0	31.8
thems:	•	Depressation											
**************************************		- Building	•	347.6	•	•	•	47.6	•	•	•	•	
4 11.9 - 669.4 - 26.0 1.0 496.4 21.9 11.9 847.8 - 94.9		- Machinery	•	111.0	•	0.0	1.0	30.0	•	•	•	•	4 -
6.52 6.52 4.86.0 1.0 696.4 11.9 - 4.655 - 11.9		- Office equipment	•	•	•	•	•	٠	11.9	•	•	11.9	11.9
6.50		SUBTOTAL	•	4.699	•	0.98	1.0	98.4	11.0	•	•	11.9	10.3
		TOTAL						8-25				6.46	1.86

# AMMEX 7.1

# SURCHARGE ON WAGES AND SALARIES

SUNCHARES ON WAGES A	AN SAMERIES	
		Days
Rumber of days per year	•	365.25
Sundayo		- 52.18
Saturdays (4 hours work)		- 26.09
Overtine (3%)		+ 8.61
Runber of paid days per year		295.59
,	say	2 <del>9</del> 5.
Unproductive working days		
- official and religious helidays		- 12
- leave		- 15
- absentees (11% of weaking days)		<b>- 29</b>
- others (training etc)		- 3
		- 59
Surcharges due to:	·	
~ unproductive working days	25%	
- social security (pension)	6%	
- nedical expenses	496	
Allowancest		
- leave	6.3%	15
	41.3%	
Tumber of effective verking days	per year	<u>236</u>

TOTAL SURGRANGE

AVERAGE NORK - COUTENTS OF PRODUCT TO BE HABBIAGEORER

ľ	Me. PRODUCE/ST - PRODUCE	ORTITAD	PREPARATION	ASSESSION **	MANGAL	MACRIMI	
					NOT		TOTAL
•	Tanahan manahan T	27	37	7.	7.	•70	3,5
:		•	î	2	}	}	<b>3</b>
å	Glores	8	ŧ.	S	22	3	115
<u>.</u>	Leathergoods						
3.1.	Handbage	-	23	• 69	43	22	2
3.2.	Fravelling & sport came	•	*	3	45	3	105
3.3.	Brief eases & diplomats	***	28/00	22/96	35/140	55/40	90/180
3.4.	Vallete	•	•	\$	\$	*	2
3.5.	Small articles	1.5	3.5	•	•	<u>.</u>	+
3.6.	Belts	~	*	-	•	È	12
÷	Balls	ř	;	555	36	92	*
÷	Industrial articles	m	-	<b>‡</b>	n	15	=

\* Including all proparation verks (e.g. ekiving, edge folding, reinfereing) and compenent profabrications (e.g. pooket-enting, lining assembling).

44 Including finishing and packaging.

YAGE

						·		NUMBER OF VORESK	E SE							
1				7.	VARIABLE COST	108T8					TXED COST	1300				.1905
		8	7.0	100	130	160	808	STRUCTAL	25	7.5	100	130	160	200	UBTOTAL	TOTAL
	PASSION GOODS HANDAGEVELING															
-	Cutting and proportion	•	~	•	•	•	•	2	•	•		•	•	ı	•	2
ä	alore manineturing	1	-	•	-	n		*	. 8	•	•		•	•	•	7
ň	Delt maruf.	•	-	<b>→</b>	•		•	<b>*</b>	•	1	•	8	•	•	•	<b>.</b>
+	Flat goods namef.	,	•	•	•	•	•	*	•	Ļ	•	1	•	•		*
*	Brish-ess sami.	9.	*	•	<b>~</b>	~		=	•		8		•	•	•	=
3	Resides senut.		•	12	2	•	•	×	•	•	•	ı		•	•	×
-	Leather garsent nem.	1	•	•	*	•	~	=	•	•	8		•	•		2
4	Outting and propagation	1	-	~	-	~	•	•	•	•	8	•	•	ŧ		=
\$	Industrial art man.	•	_	•	-	•	•	•	•	•	b		•	•		•
=	Ball manufact.	•	٠	•	2	2	•	•	•			•	•		•	?
	PROPORTION BURNICH							-								
=	Steree	•	•	•	•	-	~	•	*	•	•	•			•	<b>.</b>
#	Maintenense	•	•	•	•	•				•	1	•		m	~	~
÷	19. Postory supply	1	•	•	•	6	ı	•	•	*	-	•	•	-	*	75
497	14. Searts	•	•	٠	•					-	-	-	•		10	=
	TOTAL WORKERS	•	25	52	100	17	•	320	•	14	-	+	•	1	31	139
	Vages yes year, 1000 B	3	22.5	70.8	239.3	90.8	21.6	444.4	*:	12.6	• •	•	•	9.6	33.4	477.0
	Surabarte (41.3%)							103.5							13.6	157.3
	TOTAL, 1000 B							627.9							47.2	675-1

AFFECT 7.4

SALARIZO

	and a				NAMES OF STATE	STATE				
ġ				BALAR	BALARY CATROORING	136				. 1000
	FORGETOR	808	360	907	906	600	900	1606	1390	TUTAL
· <b>-</b>	deneral meneger	•	6	. •	•	•	ŧ	1.	-	•
ä	Managers	,	•		<b>-</b>	-	•	-	-	•
Ä	Buyerteere	ı	٠	4	~	*	•	8	•	•
÷	Deal grows	•	•	,	•	-	-	•		_
•	Technical assistants	•	•	-	•	-		ľ	•	*
3	Gentrellere	•	1	-	•	•	-	•	•	-
-	Assistants	+	•	-	~	•	-	•		•
3	Clerks	-	*	-	•	٠	•	1	•	*
3	Secretaries	٠	-	~	•	•	•	1	•	~
10.	Brivers		-	1	•	•		•	•	~
	#0#41 ##AP	*	•	•	6	21	6	•	8	44
	Salaries per year, 1606 B Surcharges (41.3%)	9.6	10.0	20.0	0*56	1'98	49.0	099	31.2	324.0 135.0
	TOTAL: 1666 B									457.0

# PROJECT INPLEMENTATION

Š	TOTAL BUILDING TOTAL	•	8 8 0 0	
		POZETGE	LOGAL	TOTAL
-	Reargement of project implementation	٠	16.0	16.0
å	Took run and take eres of civil verks			
	and equipment	3	15.0	43.0
*	Dailding administration, recruitment and			
	tardatag of otal?	22.0	17.0	35.
#	TRAINING OF LANCE			
- 7:	Instruction training		•	12.5
4.2.	Training of labor	•••	35.0	53.0
1.36.	Stanine, built-up.	•	•••	::
1.4.	Starting up the namelastung	;	49.0	21.0
Z	AREA HOMERTS FOR STRYLLING	<del> = 1</del>		
-1-1	Descrite arrangement	•	2.0	
5.2.	Prevelling abroad	6.7	•••	2:2
Ğ	MARIETTES ARRANGINTE			
6.1.	Marketing enrog	;	8.0	9.9
6.2.	Dailiding connections	10.0	10.0	20.0
	1047	100.8	830.6	340.0

INITIAL PLIND INTROPHEM GOOTS

,				
MO.	LECONAL GARACONY	POREZEGE	LOGAL OWRESTROT	10741
244	Site propagation Sivil works Reskinery and opulyment	1,809.1	126.0 5,001.0 349.7	126.0 3,026.0 1,590.9
	708A3	1,234.2	5.476.7	4,710.9

1.000 1

PREPROSECTION GAPATAL EXPREDITURES

Š			CVREHIOYA 1000 B	7 00
		POTEST	1007	10761
**	Proparatory studies and investigations	62.0	143.0	205.0
	Re .   Management of project inplementation	,	16.0	
×	Took was and take over of civil verks			
	and equipment	26.0	15.0	43.0
+	Daild-ny edulativation, training of staff	22.0	17.0	39.0
*	Paciniag of labor	36.5	164.0	208.5
3	Arrangements for supplieds	6.7	6.0	12.7
7.	Marketing arrangements	16.0	12.0	<b>89.0</b>
	17308	171.2	375.0	945.0

# ARNUAL PRODUCTION COSTS

739703		010 011	T VODE			TVO SE	TRE YOR	<u> </u>	
YEAR	1992	1905	1994	1905	1996	1997	1900	1989	1990
GAPAGITT. X	39.1	70.1	99.7	199.9	64.2	93.7	24.6	100.0	100.0
lay materials				}	Ì	1	li .		1
- local	1.455	3,390	4,207	4,055	6,280	0,207	9,150	9,670	9,670
- imported	202	657	831	937	1,216	1,606	1,775	1,674	1,074
- fittings and auxiliary	267	622	707	687	1,151	1,520	1,678	1,774	1,774
Labor (direct)	400	480	570	620	1,000	1,300	1,400	1,500	1,500
Fit11ties	25	<b>50</b>	32	72	64	66	68	70	70
Kaintenance, spare parte	330	330	350	330	330	350	330	330	350
Pastery ever head costs	160	160_	160	160	188			189	199
Jactory cont	2,919	5,669	6,994	7,007	10,221	13,209	14,579	15,396	15,390
Addinistration everbead costs	521	521	521	521	530	530	530	550	530
felos shd distribution costs	550	639_	759	800	1,000	1,100	1,200	1.850	1.850
Operating costs	3,990	6,840	0,265	9,136	11,751	14,919	16,309	17,170	17,178
Pinancial costs (interests)	710	1,050	1,200	1,100	1,000	799	890	614	290
Doprociation	710	710	710	710	710	710	710	710	710
TOTAL PROBUGITOR GOSTS	5,410	0,600	10,175	10,946	13,461	16,564	17,909	18,502	10,106

ANNEX 9.4

## ACSTING CYSICAL SECALEMENTS

	1 ,	effic ef		,		POPULATION	1,000				
ITBM			-		LORK			270	SELUTE V	ORK	A
		6	1908	1993	1994	1903	1906	1997	1900	1909	1996
1. STRANK ASSES A. Account recolvable	30	18	330	466	702	947	1,067	1,314	1,426	1,493	1,495
-local yes material	30	10	01	100	230	260	349	460	906	557	557
-imported yes natorial -fittings	100 870 100	1.5	141 205 165	589 470 165	416 605 163	469 - 602 165	600 805 170	1,169 170	1,291 170	997 1,364	937 1,364
-epare parte -edalj-in progress -diniskel parkustø	*	45	74	137	167	103	241 900	306 1,132	335 1,261	170 354 1,330	170 354 1,350
for feeth in head	- M	2.3		103	119_	112	160	185_	199_	200_	200
TOTAL			1,365	2,666	3,120	3,455	4,396	3,399	46,076	6,393	6,395
Account payable	15	24		-196	-247	-277	-363	-470	-520	-556	-550
4. Not working capital D. Incresse in working			1,279	2,470	2,073	3,154	4,055	5,201	5,540	5,035	5,035
capital	l			1,191	405	201	079	1,040	467	207	i .

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oz 9.5.

					TVQ ANI	778 VOR	1										
	1986			1987			1988			1989			1990			101	AL
70 HE 197	LOCAL	TOTAL	rolesor	POOVP	TOTAL	orbigh	logal	COTAL	PORBIGH	LOCAL	TOTAL	POREIGN	LOCAL	TOTAL	YORKIG	LOCAL	TOTAL
300.0	•	300.0	350.0	<b>20,0</b>	370.0	250.0	15.0	265.0	250.0	15.0	265.0	250.0	15.0	265.0	2734.2	3541.7	6275.9
20.0	100,0	120,6	26	•	20,0	•	•	•	•	•	•	-	٠	•	211,2	513.8	725.0
•	497.0	897.0	•	1048.0	1048.0	•	467.0	467.0	•	287.0	287.0	•	•	•	-	5855.0	5855.0
750-0	997.0	1317-0	370.0	1068.0	1438.0	250.0	182.0	732.0	250.0	302.0	552.0	250-0	15.0	265.0	2945.2	9908.9	12852.9
272.4	687.6	963.0	338.6	120.4	1163.0	147.2	369.1	517.0	90.7	226.3	317.0	•			1828.	4564.3	6393.0
595.4	787.6	1383.0	9.50	850.4	1553.0	397.9	384.1	782.0	340.7	241.3	582.0	250.0	15.0	265.0	4774.	9619.9	14393.9

TOTAL INVESTMENT COSTS AND AGSETS

7	PERIOR				INVESTMENT	ENT		·		ON'S BH	BRITT VO	VORE				
	TRAB		4964			1962			1963		,	1984			1985	
	OBREGAT (1000 B)	PORETOR LOCAL TOTAL	TVOOT		Porethr	N LOGAL	TOTAL	FOREIG	FOREIG LOGAL	TOTAL	POREICH LOGAL	TOOVE	POTAL	POREICH LOGAL POTAL	LOGA	TOTAL
-	Fixed investment Seate	624.2	2856.9 3680.2	3680.	410.	620.2	1030.7	,	•		•	•	•	100	•	100.0
~	Propoduction Onpital expenditur	71.0	170.	221.	120.	203.	324.2	•	•	6	•		•	•	0,04	0.04
Ň	Verting Capital Incresse	•		•		1279.0	1279.0	•	1191.0	1191.0 1191.0	•	403.0	403.0	•	261.0	281.0
	Solal divestibili Costs	\$73.4	\$026	673.2 to26. 3902.0	\$30.8	24.92.5	2632.9	•	1191.0	1191.0 1191.0	٠	403.0	403.0 403.0	100.0	321.0	421.0
ð	Ourrent Assets Ingresses	•	•	•	390.	97.4°C		1365.0 372.1		928.9 1301.0 130.0 324.0	130.0	324.0	454.0	89.6	89.6 225.4	313.0
	TOTAL ASSETS (1+2+4)	875.2	<b>+026.</b>	875.2 4026.4 3902.0 920.	920.	1798.3	2718.9	372.1	928.9	928.9 1301.0 130.0 324.0	130.0	324.0	454.0	189.6	263.4	453.0

TOTAL INITIAL INTERTIBRY COSTS

#0. INVESTMENT GATHOORY  1. Inditial investment costs  2. Inditial investment costs  2. Inditial investment costs  3. Verking capital (at 100% capacity)  3. Verking capital (at 100% capacity)  4. Case midft weak (1905)  4. Case midft weak (1905)  4. Case midft weak (1905)  4. Case midft weak (1909)  5. Case midft weak (1909)  6. Case midft weak (1909)  7. Case midft weak (1909)  7. Case midft weak (1909)  7. Case midft weak (1909)  7. Case midft weak (1909)  8. Case midft weak (1909)  9. Case midft weak (1909)  9. Case midft weak (1909)  9. Case midft weak (1909)  9. Case midft weak (1909)  9. Case midft weak (1909)  10. Case midft weak (						
1,834.8 3,476.7 171.8 373.8 - 3,154.9 - 5,695.9 1,405.4 7,607.5	8	THANKS ARE CAN	CONT	CUBREN	T 1.000 E	11000
1,405.4 7,007.5	=	Initial investmen	) costo	1,234.2	3,476.7	4,710.9
1,405.4 7,007.5 1,405.4 9,605.5	<b>**</b>	Propoetantion on	thal expenditures	171.2	973.0	945.0
- 5,154.0 - 9,695.0 1,405.4 7,007.5 1,405.4 9,605.5	ň	Verking capital (	t 100% espectty)	٠		
1,405.4 7,007.5	- <del></del>	. one shift we	A (1965)	,	3,154.0	5.154.0
1,405.4 7,007.5		- tre skift ver	# (190)	₽.	9,033.0	9,039.0
1,405.4 9,605.9		27808	1905	1,405.4	7,007.5	0.409.9
				1.405.4	9.605.9	11,090.0

TOTAL LHITTAL ABBRE

Í		ΦO	CURRENCE. 1.000 B	1 00
-	t wheren areas are	PORTION	LOGAL	TOTAL
4	stoop thest tables	1,234.2	3,476.7	4,710.9
ă	Propreduction sayital expenditure	171.2	373.0	545.0
	Ourrent assets (at full enpastty)			
	- one shift work (1965)	981.8	2,451.2	3,433.0
	- two shifts werk (1989)	1,828.4	4,564,6	6,393.0
	TOTAL 1989	8,397.8	6,301.7	6.666.9
	6861	3,133.0	0.415.1	11,640.9

4

A NUMBER 0.4

BOURGES OF INITIAL PURDS

VIII 1,090 J							·				
748103		DIE SICTE VOR	VORE			TNO	SHITTS VORE	P.F.			
YBAR	1961	1961	1903	1984	1985	1986	1907	1998	1909	1990	202
Loan from the											
Investment Bank	4,600	4,400	80%	•	٠	,	•	٠			12,000
Berreving free the											
Commercial Bank	٠	•	٠	•	٨	***	1,000	•	•	ı	2,90
Gurrent Mabilities	•	*	110	2	2	2	119	2	\$	•	555
TOTAL	4,600	4,490	91198	96	30	1,090	1,115	2	•	•	566*88
شريف والترازي والمرازي المستمرين والمرازي والمرازي والمرازي والمرازي والمرازي والمرازي والمرازي والمرازي والمرازي											

The figures rounded off

# PINAMIAL PLAN

THEY 1,000 D

	23269			IN VOL	<u> </u>		<u> </u>	We BUT	S YORK			
	TRAN	1991	1998	1901	1184	1985	1996	1967	1991	1909	1990	1991
	GAPAGITIAN		30-1	70-1	29.7	199.9	64.2	9747	24.5	199.9	90.9	200.0
A.	SASK TEFFOR								ļ			
1.	Planniel requeses	4,600	4,400	3,110	50	<b>39</b>	1,090	1,115	50	•	-	•
t.	Sales perennes	•	3,533	9,036	11,755	15,649	16,590	22,341	24,900	6,025	6,025	6,02
	Subtotal	4,600	7,933	12,146	11,705	13,679	17,600	23,050	26,025	6,025	6,025	26,02
D.	SASE OFFICE	·										
1.	Total assets	3,900	2,719	1,301	454	453	1,503	1,553	742	502	265	26
ı.	Operating enote	-	3,990	6,040	0,063	9,136	11,751	14,919	16,709	7,170	7,170	7,17
J.	Jept. service				į		1	<u> </u>			ł	Į.
	-interests of		1		1 .		1	1	ł	<b>!</b> .	i	1
	-Investm <sub>e</sub> Renk	300	710	1,050	1,200	1,100	1,000	900	700	500	250	•
	-Councy Berk	-	•	•	•	•	-	95	190	114	40	•
	-repayment for	1		İ	ł		1	ł			ŧ	
	-Investm <sub>e</sub> Bank	•	•		1,000	1,000	1,000	2,000	2,000	2,500	2,590	{ -
	observed Sahk	•	•		-	-	-	•	800	700	500	-
4	Taree		301	1.376	1.951	2.310		1.770	3.262	3.813	3.213	1.21
	Saltotal	4.200	8.000	10.567	12.070	13,999	17.945	23.237	84.350	24.707	3.256	20.69
l.	Sarphan/doficit	400	-67	1,579	-1,005	-326	-265	219	600	1,236	2,069	5,56
D.	Funnalative each balance	400	333	1,918	027	507	242	461	1,141	2,377	,446	9,01

# MER INCOME STATISTICS

WHIT 1,000 B

P20103	OM SELVE VONE				TWO SHIFTS WORK					
YBAR	1982	1903	1994	1985	1986	1987	1988	1909	1990	1991
CAPACITY, X	30.1	79-1	93.7	199,9	64.9	95.7	24.6	100.0	100.0	100.1
1Sales	3,533	9,036	11,735	13,649	16,590	22,341	24,900	20,025	26,025	26,02
2. Production costs	. 5,372	0,542	10,245	10,993	13,461	16,564	17,909	18,502	10,106	7,000
3. Gross (taxable) profit	_1,039	394	1,490	2,656	3,129	5.777	7,071	7,525	7,039	0,131
4. TAXDE									· ·	
- turnerer	71	181	235	273	352	447	500	521	521	521
n- excise	411	957	1,211	1,365	1,707	2,254	2,409	2,671	2,631	2,651
- transaction	99	230	264	. 294	346	456	505	509	509	505
- general reserve fund	-	-	-	235	349	578	530	-	i -	-
- annual capital charge	•	•	-	6	29	48	75	75	. 75	75
TOTAL TAXES	501	1,376	1,951	2,310	2,011	3,770	3,569	3,215	3,215	3,215
5. Not profit	-2,420	-980	-461	346	310	2,007	3,502	4,508	4,624	4,921
6. Assumulated not profit	-2,420	-3,400	-3,861	-3,515	-3,197	-1,190	2,312	6,620	11,244	6,166
Gress profit/sales,#	-52.1	4.4.	12.7	19.5	10.9	25.0	29.5	20.9	30.1	31.3
Not profit/salos,%	-68,5	-10.9	-3.9	2,5	1.9	9.0	14.0	16.5	17.0	18.9

#### POULTRE

### POR THE RESOCIO PRODUCTION PRO-PLAN

		. 3
(1) 1	CS 5259-1-K	720
(2) 1	CS 8 52	300
(3) 1	R 1535	3,300
(4) 6	EAST € 105	37,200
(5) 1	ALSON	1,400
(6) 1	EARY 8 731	7,100
(8) 1	PORTURE HAT 470	16,800
(9) 4	PORTUM SOULS	17,200
(10) 3	COMPLE 3s	12,300
(11) 2	CS 571 EME+CS 12-36	21,200
(12) 4	1784	4,800
(13) 7	ANER 396-121	21,100
(14) 16	13215 396-145	54,460
(15) 3	ABLER 396-176	10,350
(16) 15	AMER 69-362	57,000
(18) 4	ABLER: 169-575	16,465
(19) 2	ARGER 167-272	11,700
(20) 2	1913 67-1262	8,700
(22) 1	CS 652 ASST	3 <sub>7</sub> 200
(23) 1	ADGER 504	4,850
(24) 1	CS 1655-37	4,670
(25) †	MIXEL? 557-234	7,400
(30) 1	MANG 31	12,000
(31) 1	ALMEN HATR-66	25,300
(32) 1	A 13639	18,500
(33) 1	30300	2,500
(34) 1	PROTOS	1,600
(23) 2	ASSESSED 120	1,500
(36) 2	CB 351 <b>72-22-</b> 201	11,800
(37) 1	GS 394+GS 392/1	820
(30) 5	CE 394 + CE 395	4,000

# AMEUAL PRODUCTION COSTS FOR THE REDUCED PRODUCTION PROGRAMME

	1,000 B
har Materials	•
- local	3,500
- Imported	335
- inviliaries and fittings	550
-	255
labour (direct)	22
<b>Ttilities</b>	220
Mainténance and Spare parts	
Factory Overheads (75% on Vages and Sales)	190
Factory Costs	5,072
Administrative Overhead Costs ( 7% factory costs)	355
Sales and Distribution costs	_500
Sperating costs	5,927
Pinensial Costs	150
	220
<u>Depré</u> ciation	
TOTAL PRODUCTION COSTS	6,297

## ANNEX 10.3

### VORKING CAPITAL .

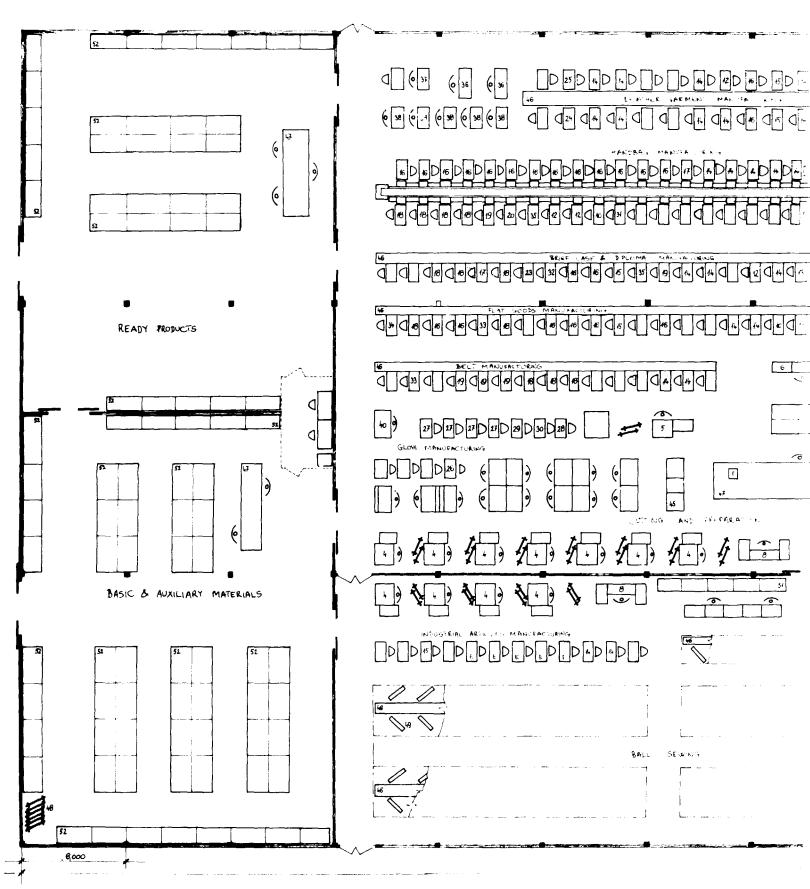
			1,000 B
1.	CURRENT ASSETS		
	A. Account receivable		<del>195</del>
	B. Inventory		
	- Local raw material		195
	- Imported raw material		170
	- Pittings and esciliario	•	425
	- Spare parts		110
•	- Verk in Progress		115
	- Finised Products		450
	C. Coch is herd		45
'- 1 <b>4</b> 0		l Current assets	2,005
2.	Account payable		185
3.	MAR VORKING CAPITAL		2,190

8 The calculation is based on the condition taken into account in the Annex 9.4.

. . . . . .

<b>/</b> >	_			
(39)	1	easy m 197		24,000
(41)	10	ADLER		3,700
(45)	4	CS 392		846
(44)	5	CS 390/12	-	14,000
(45)	1	763		1,300
(47)	2	•		560
(48)	15			1,000
(52)	800			40,000
(53)	50			10,500
(54)	100	EAST COMM		5,000
(55)	7	EAST H		3,500
(56)	600	EVEA R		12,000
<b>(6)</b>				218,000
(2)				70,000
<b>(E)</b>				75,000
			TOTAL	<b>897</b> ,110

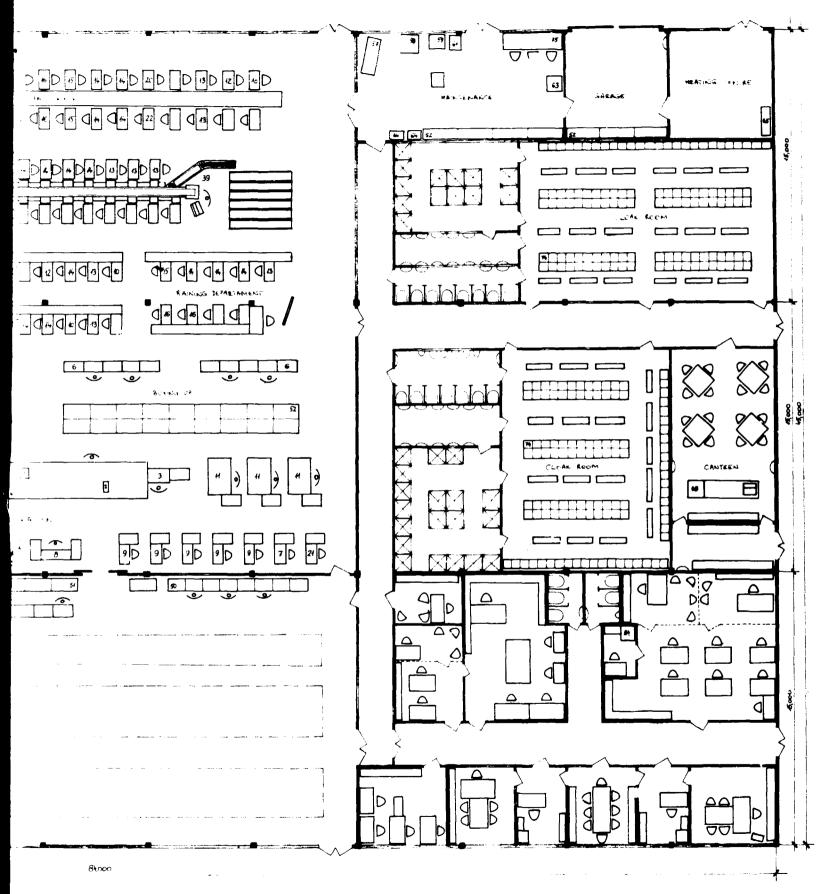
Figure 1. Plant lay



SECTION 1

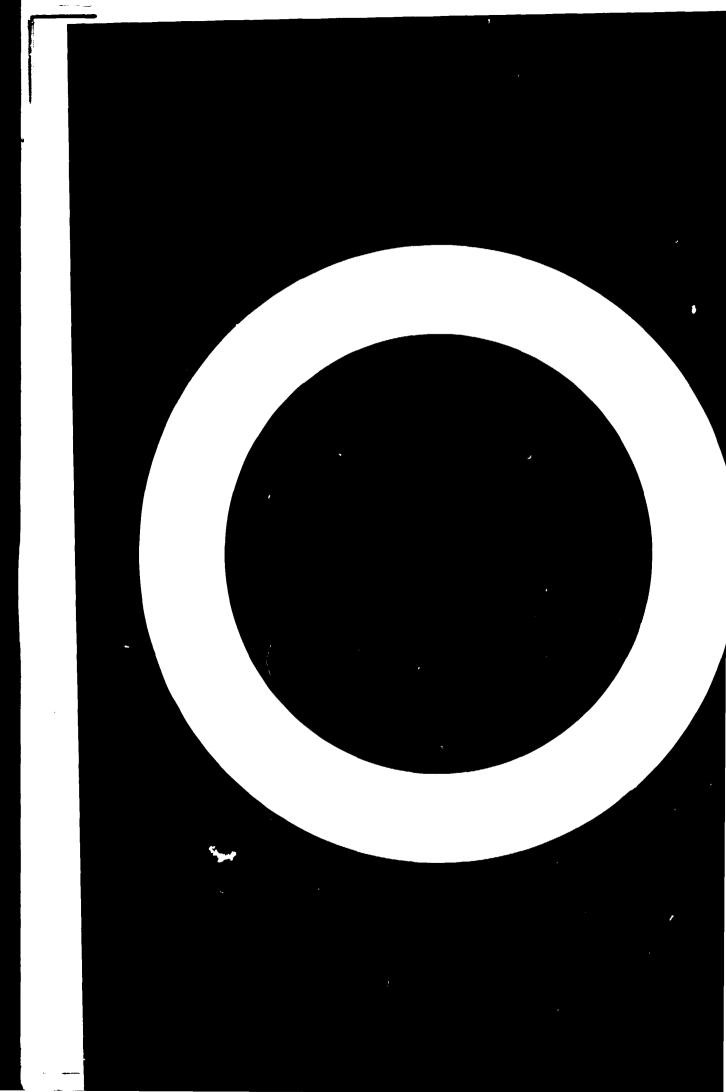
γI

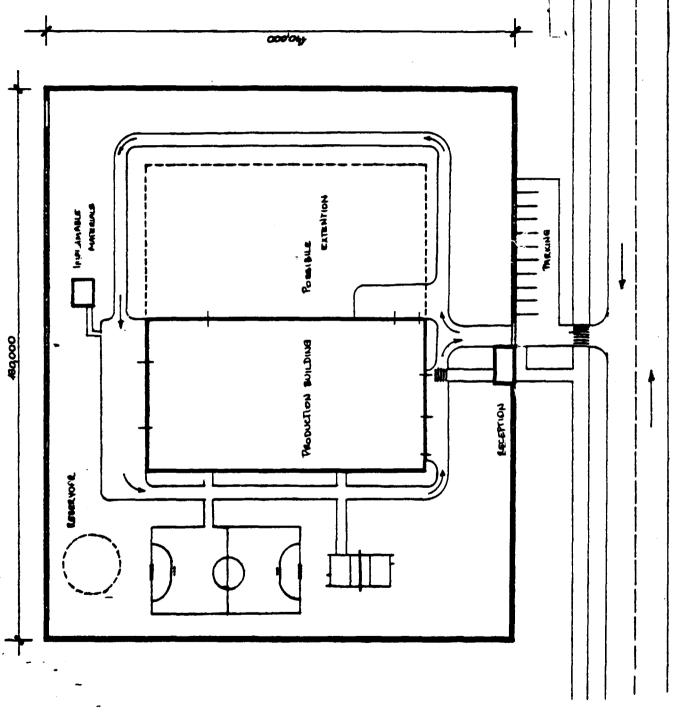
Plant layout

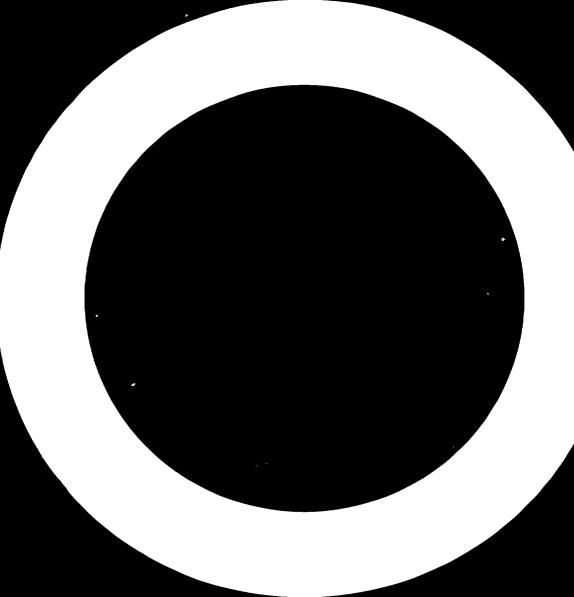


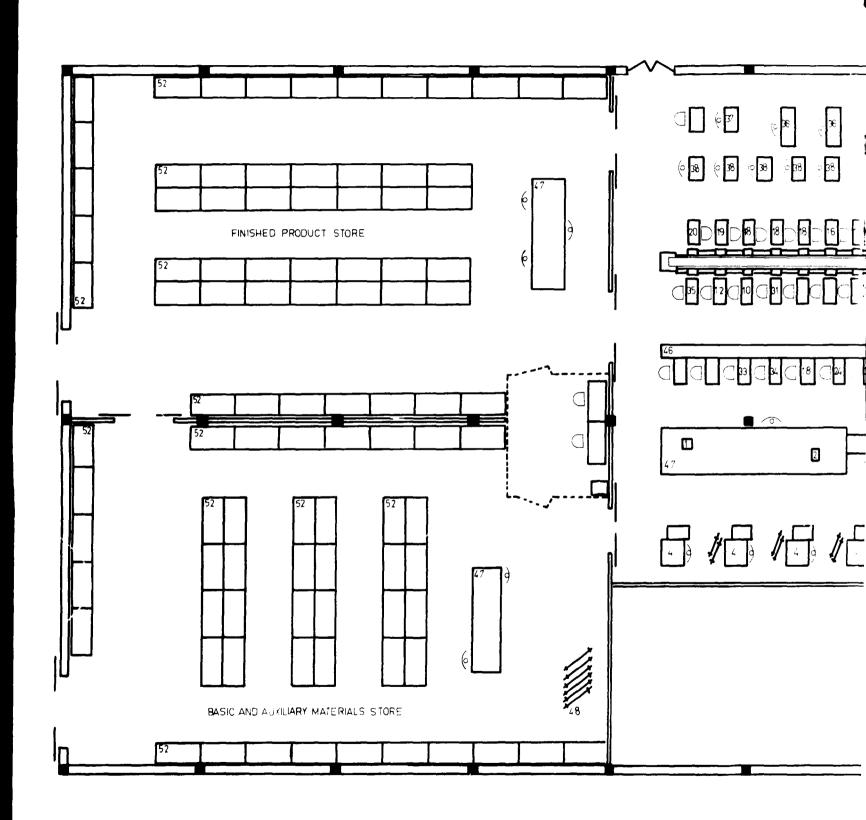
53 D 54 12 81

SECTION :



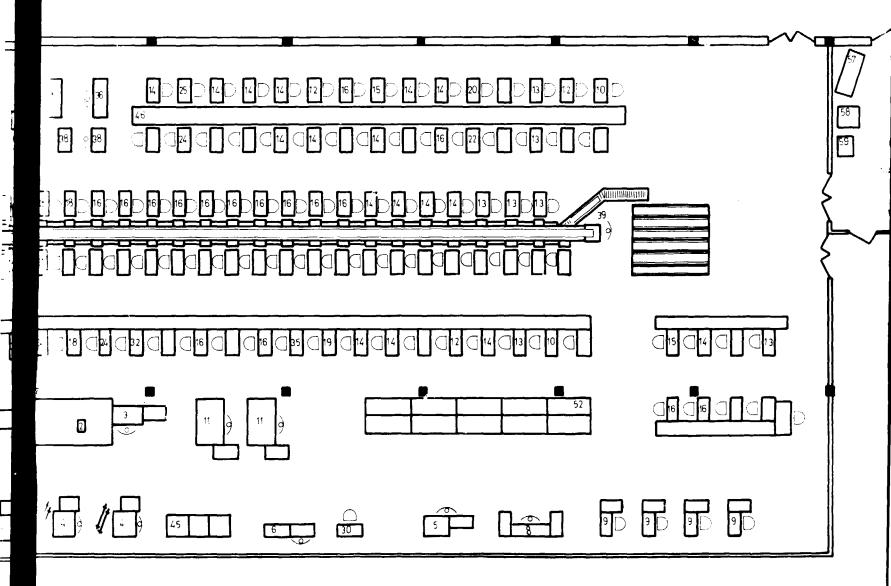






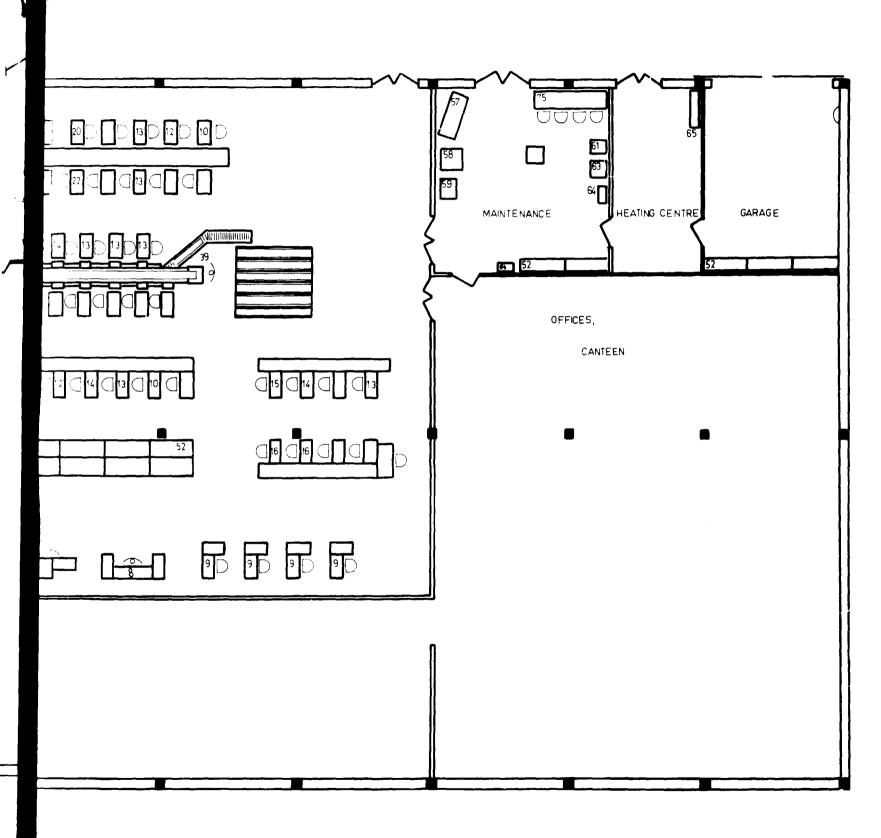
SECTION 1

Figure 3. Alternative plant layout



SOCIAL ESTABLISHMENTS

SECTION 2



SECTION 3

