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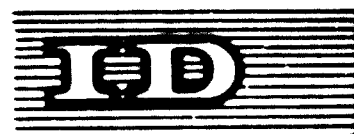
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Agenda item 5(a) and (b)

PROGRAMME OF WORK FOR 1971 INCLUDING REPORT OF ACTIVITIES

FOR 1969 AND UPDATING OF 1970 PROGRAMME

PART TWO

Group 6: Light Industries

We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche.

NOTE

Documents ID/B/64/Add.1-15 contain a detailed description of the fifteen groups of activities of UNIDO for the years 1969 to 1971. A list of these fifteen groups appears in the preface to document ID/B/64.

The material in each addendum is organized as follows:

Introduction

A. Operational Activities

B. Supporting Activities

Section A on Operational Activities lists the field projects by technical assistance programmes (UNDP/SF, UNDP/TA, RP and SIS). Under each programme appears a detailed description of the projects approved as of 30 September 1969 and a forecast of new projects. The list of approved projects is followed by a summary of expenditures. Projects that have been completed in 1969 (barring possible extension) are indicated by an asterisk.

Section B on Supporting Activities is divided into "projects" corresponding to major areas of work, each project being subdivided into "components". Under each component, details of expenditure are given for the following items: staff man/months, meetings and consultants. The priorities A and B, under which components are listed, apply to the programmed activities in 1970 and 1971, priority B indicating that implementation is subject to availability of funds. Unless otherwise indicated, expenditures on supporting activities are financed from the UNIDO Regular Budget. Because of the nature of the item, expenditures on publications are listed separately in this section. Finally, the section contains summary tables of expenditures on supporting activities by sources of funds for 1969, 1970 and 1971.

INTRODUCTION

1. Assistance to developing countries in promoting the development of their light industries is one of the major activities of UNIDO as such industries contribute to substitution of imports, increase labour productivity and improve the standard of living of the population.
2. The programme of operational and supporting activities of UNIDO aims at establishing or modernizing the processing industries in developing countries, according to current economic and technical requirements, through selection of the most appropriate equipment and techniques and improvement and better use of local raw materials.
3. As can be seen from the technical assistance projects carried out by UNIDO in 1968 and 1969 and those proposed for 1970, the main fields of activities in the area of food processing are the following:
 - General planning aimed at defining priorities for the development of the food industry;
 - Establishment or modernization of vegetable oil processing and animal feedstuff plants;
 - Research in food processing technology;
 - Establishment of cassava processing plants;
 - Development of the milling industry (sorghum, millet and rice);
 - Agro-industrial development;
 - Development of meat processing industry;
 - Development of sugar industry.
4. The basic considerations in selecting the supporting activities have been: the results of technical assistance projects implemented by UNIDO, the availability of the necessary expertise and the limitations in resources available to developing countries.
5. There is considerable interaction between operational and supporting activities. As an example, the second interregional workshop on textile industries may be mentioned, which is being planned on the basis of findings of UNIDO field experts who have been active in the textile industry in some ten developing countries.

6. In the textile industry, UNIDO will continue to develop guidelines for the selection of the most suitable production lines and equipment and of the most adequate new material combinations. It will also recommend means of better quality control and methods of successful management of textile plants.
7. In the food processing sector, UNIDO will assist in the development of better techniques and technologies in the production and industrialization of staple foods (carbohydrates, oils and fats). UNIDO will also concentrate its efforts on large-scale industrial production of vegetable and animal protein, in order to better utilize conventional protein foods and to develop new sources.
8. In the wood processing sector, the work programme covers modernization and establishment of industries for the manufacture of furniture, joinery, particle boards and components for prefabricated wooden houses from indigenous forestry resources and agricultural wastes. In the supporting programme, consideration has been given to the findings reported by some thirty UNIDO field experts active in this sector. For example, the planning for the 1971 seminar on furniture and other secondary wood processing industries is based on recommendations of UNIDO experts in eleven countries.
9. In the leather sector, modern methods of tanning and pre-tanning and appropriate use of local raw material comprise the main portion of the programme. Special attention will be given to problems of leather and leather goods export possibilities through improved quality and design and competitive prices.
10. In keeping with the recommendations of UNIDO field experts, attention will be given to the modern trends of integrating processing lines embracing production of raw material, processing of raw material and semi-products, and the distribution of the final goods. Co-operation is being maintained with FAO as regards problems of raw material supply and control of the edible goods.

A. OPERATIONAL ACTIVITIES

UNDP/SPECIAL FUND - approved projects

Project
number

AFRICA

United Arab Republic

UAR-62

Textile quality control centre, Alexandria

Purpose: To assist the Government in developing the existing laboratories of the textile consolidation fund in Alexandria into a textile quality control centre. The plan of operation is being drafted, and a project manager is under recruitment.

Approved: June 1969
Duration: 4 years

UNDP: \$ 745,400
Gov't: \$ 800,000

THE AMERICAS

Uruguay

URU-12

Productivity centre

Purpose: To provide expert services for the textile and shoe industries. ILO is the executing agency.

Approved: January 1969
Duration: 2½ years

UNDP: \$ 407,700
Gov't: \$ 429,000

EUROPE AND THE
MIDDLE EAST

Turkey

TUR-30

Central research and training institute for hides, skins and leather, Istanbul

Purpose: To assist in the implementation of this project, for which FAO is the executing agency.

Approved: June 1969
Duration: 5 years

UNDP: \$ 978,800
Gov't: \$ 926,000

UNDP/SPECIAL FUND - approved projects (cont'd)Project
numberEUROPE AND THE
MIDDLE EAST (cont'd)YugoslaviaYUG-10 Development of forestry and forest industries

Purpose: To provide experts in quality control, integration and mechanization of forest and forest industry enterprises, and marketing. FAO is the executing agency.

Approved: January 1969 UNDP: \$ 983,200
Duration: 3 years Gov't: \$1,331,000

Table 1

Estimated expenditures for approved UNDP/SF projects, 1969-1971
(in US dollars)

	1969			1970			1971		
	<u>Experts</u>	<u>Fellows</u>	<u>Other^{a/}</u>	<u>Experts</u>	<u>Fellows</u>	<u>Other^{a/}</u>	<u>Experts</u>	<u>Fellows</u>	<u>Other^{a/}</u>
UAR-62	2,000	-	-	50,400	21,800	88,000	100,800	20,400	101,100
TUR-30	-	-	-	-	-	-	-	-	-
YUG-10	-	-	-	-	-	-	-	-	-
URU-12	-	-	-	48,000	-	-	-	-	-
Total	2,000	-	-	98,400	21,800	88,000	100,800	20,400	101,100

a/ Including equipment and subcontracting.

UNDP/SPECIAL FUND - projects submitted to UNDP for approval

Project
number

AFRICA

Morocco

MOR-33

Fish protein concentrate

Purpose: To assist the Government in determining whether fish protein concentrate (FPC) can be produced economically, taking into account concurrent studies of potential markets. Project activities will include preparation of plans to improve present transport and handling procedures, market studies, feasibility studies, and if appropriate, engineering studies for a FPC plant.

Duration: 1 year
Est. UNDP: \$ 289,500
Est. Gov't: \$ 65,000

ASIA AND THE
FAR EAST

Indonesia

Textile industry rehabilitation and development programme

Purpose: To assist in the implementation of a rehabilitation and development programme for the textile industry through the provision of expert services, training fellowships and laboratory equipment to attain utilization of full capacity by restructuring production and increasing efficiency.

Duration: $3\frac{1}{2}$ years
Est. UNDP: \$ 789,000
Est. Gov't: \$ 705,000

Mongolia

MON-6

Establishment of an applied research and experimental centre for the leather and leather goods industry at Ulan Bator

Purpose: To assist in the creation of a centralized base for research work in the field of production of leather and leather goods to improve the quantity and quality of output.

Duration: 3 years
Est. UNDP: \$ 957,500
Est. Gov't: \$1,786,000

UNDP/SPECIAL FUND - projects under preparation

AFRICA

Assistance to the leather industry

ASIA AND THE FAR EAST

Leather goods development

Modern wool-dyeing and finishing plant

Re-organization and development of the textile industry

UNDP/TECHNICAL ASSISTANCE - approved projects

<u>Project number</u>			<u>1969</u>	<u>1970</u>	<u>1971</u>
			(in US dollars)		
<u>AFRICA</u>					
<u>Sudan</u>					
SUD-69-5	<u>Vegetable oil processing - assistance to the Ministry of Commerce and Supply*</u>				
	expert	1/8 m/m	15,400	-	-
SUD-69-7	<u>Operation of ginning factories*</u>				
	fellow	1/4 m/m	2,075	-	-
<u>United Arab Republic</u>					
UAR-68-12	<u>Tin lithographing and varnishing</u>				
	expert	1/3 m/m	-	6,000	-
UAR-69-1	<u>Catgut manufacturing</u>				
	expert	1/6 m/m	-	12,000	-
	fellows	2/12 m/m	6,800	-	-
<u>THE AMERICAS</u>					
<u>Argentina</u>					
ARG-68-6	<u>Assistance to the National Institute for Industrial Technology (INTI) - analytical techniques for the control of food products, industrial processing of agricultural products and textile quality control.</u>				
	experts	5/20 m/m	3,850	20,000	15,000
	fellow	1/6 m/m	3,400	-	-
<u>Haiti</u>					
HAI-68-8	<u>Assistance to essential oils and fats production (chemical engineer) - assistance to the INAI (Institut de developpement Agricole et Industriel)</u>				
	expert	1/11 m/m	9,625	12,000	-

UNDP/TECHNICAL ASSISTANCE - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>	<u>1971</u>
			(in US dollars)		
<u>ASIA AND THE FAR EAST</u>					
<u>Indonesia</u>					
INS-69-31	<u>Industrial development</u>				
	expert	1/12 m/n	-	24,000	-
<u>Iran</u>					
IRA-68-28	<u>Development of the food industry - feasibility studies (assistance to the Ministry of Economy)</u>				
	expert	1/18 m/n	23,100	12,000	-
<u>Malaysia</u>					
MAL-68-6	<u>Assistance to MARA - trust council for promotion of indigenous enterprises (leather processing and footwear manufacturing)</u>				
	experts	2/48 m/n	46,200	48,000	-
<u>Mongolia</u>					
MON-68-8	<u>Technological development of the leather goods industry</u>				
	experts	2/14 m/n	21,175	6,000	-
	fellows	2/6 m/n	4,400	-	-
	equipment		2,000	-	-
MON-69-2	<u>Assistance to meat and milk industry</u>				
	experts	2/4 m/n	-	8,000	-
<u>Pakistan</u>					
PAK-69-9	<u>Assistance to wood panel industry - particle and fibreboard production, wood-based panel production and marketing</u>				
	experts	3/12 m/n	5,775	18,000	-

UNDP/TECHNICAL ASSISTANCE - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>	<u>1971</u>
			(in US dollars)		
<u>EUROPE AND THE MIDDLE EAST</u>					
<u>Bulgaria</u>					
BUL-69-10	<u>Application of synthetic fibres and silks in the knitting fabrics industry*</u>				
	fellow	1/5 m/m	3,000	-	-
BUL-69-20	<u>Assistance to furniture industry*</u>				
	expert	1/1 m/m	1,925	-	-
BUL-69-43	<u>Production of mattresses, upholstered and kitchen furniture*</u>				
	fellows	2/8 m/m	5,200	-	-
<u>Czechoslovakia</u>					
CZE-69-9	<u>Optimal utilisation of classical textile raw materials* - chemical fibres</u>				
	fellows	2/2 m/m	2,800	-	-
<u>Hungary</u>					
HUN-69-2	<u>Technical development of the knitting industry</u>				
	fellows	3/9 m/m	2,200	2,200	2,200
HUN-69-3	<u>Technical development of household textiles</u>				
	fellows	3/9 m/m	2,200	2,200	2,200
<u>Poland</u>					
POL-69-14	<u>Assistance to the furniture industry* - production of solid wooden furniture</u>				
	fellow	1/3 m/m	1,200	-	-
POL-69-29	<u>Assistance to textile and leather industry*</u>				
	fellows	4/19 m/m	12,400	-	-

UNDP/TECHNICAL ASSISTANCE - approved projects (cont'd)Table 2Estimated expenditures for approved UNDP/TA projects, 1969-1971

	1969		1970		1971	
	<u>m/m</u>	<u>US\$</u>	<u>m/m</u>	<u>US\$</u>	<u>m/m</u>	<u>US\$</u>
Experts	12/63	122,250	18/86	166,000	3/8	16,000
Fellows	24/92	50,475	2/6	4,400	2/6	4,400
Other	-	2,000	-	-	-	-
Total		174,725		170,400		20,400

UNDP/TECHNICAL ASSISTANCE - forecast of new projects for 1971

	<u>Experts</u> <u>m/m</u>	<u>Fellows</u> <u>m/m</u>	<u>Other</u> <u>US\$</u>
<u>AFRICA</u>			
Assistance in improving production control methods in the local textile mills	1/12	-	-
Assistance to the dyeing and finishing industry	1/12	-	-
Feasibility of cotton yarn manufacture for export	1/3	-	-
Assistance in increasing the productivity of the existing textile mills	2/24	-	-
Assistance to the blanket industry (productivity, organization, product development)	2/12	-	-
Assistance in establishing local textile industry	1/12	-	-
Rehabilitation of the textile industry	1/12	-	-
Corn industry development; canning industry development	3/18	1/6	-
Soya protein foods development	2/6	2/6	-
Cassava processing industry	3/18	-	-
Canning food industry	1/6	-	-
Fish processing industry	4/42	-	-
Development of the soluble coffee processing industry	2/6	1/6	-
Development of the vegetable oil and feedstuff industry	9/78	-	-

UNDP/TECHNICAL ASSISTANCE - forecast of new projects for 1971 (cont'd)

	<u>Experts</u> m/m	<u>Fellows</u> m/m	<u>Other</u> US\$
<u>AFRICA (cont'd)</u>			
Development of the meat processing industry	7/36	1/6	-
Development of the vegetable and fruit processing industry	4/30	2/6	-
Development of the fruit processing industry	2/12	-	-
Development of sorghum milling	3/12	1/6	-
Development of the citrus fruit processing industry	1/12	-	-
Development of the milling industry	4/30	-	-
Assistance to the biscuit factories	1/12	-	-
Research activities on food processing	2/12	3/18	-
Development of banana powder production	2/12	1/6	-
Development of rice processing industry	2/6	1/6	-
Development of tuna fish processing	2/12	-	-
Fish protein concentrate production	3/12	2/12	-
Agro-industry development	2/12	-	-
Animal and vegetable protein production	3/6	3/18	-
Assistance to the leather footwear industry	2/12	-	-
Assistance to the leather industry	7/42	-	-
Assistance in the hides, skins and leather field	2/12	-	-
Assistance in hides and skins improvement and marketing	1/6	-	-
Feasibility study for a joinery and/or furniture factory	1/6	-	-
Production of wooden carts and wheels	1/6	-	-
Particle board from agricultural wastes	3/18	-	-
Feasibility study for production of particle board from esparto grass	2/10	-	-
Assistance to the cork processing industry	2/12	4/24	-
Assistance to the wood processing industry	1/6	-	-
Assistance to the new fibreboard industry	1/6	2/12	-

UNDP/TECHNICAL ASSISTANCE - forecast of new projects for 1971 (cont'd)

	<u>Experts</u> <u>m/m</u>	<u>Fellows</u> <u>m/m</u>	<u>Other</u> <u>US\$</u>
<u>THE AMERICAS</u>			
Development of ramie as a blend fibre	1/12	-	-
Textile industry reorganization and development programme	3/12	-	-
Assistance to individual textile mills in increasing their productivity	5/36	-	-
Assistance in establishing new local textile industry	1/12	-	-
Fish processing industry	6/48	3/18	-
Protein production development	4/24	3/18	-
Assistance to the food industry development	6/48	6/36	-
Food processing research	11/48	12/72	-
Dairy industry	2/18	-	-
Coconut processing development	1/2	-	-
Vegetable oil and feedstuff	3/24	2/12	-
Vegetable and fruit processing	8/54	2/12	-
Soya protein development	5/24	7/42	-
Tuna fish processing	2/12	2/12	-
Banana powder development	4/24	2/12	-
Cassava industry	2/12	-	-
Meat processing industry development	6/36	2/12	-
Export oriented food industry	3/18	1/6	-
Assistance to the woodworking industry	4/20	2/12	-
Assistance in the establishment of a flax board industry	1/6	-	-
Development of the furniture industry	2/12	-	-
Assistance to the hides and skins and leather industries	6/36	-	-
Assistance to the footwear industry regarding export possibilities	3/18	-	-
<u>ASIA AND THE FAR EAST</u>			
Wool dyeing and finishing project	1/12	-	-
Assistance to individual cotton mills	1/12	-	-

UNDP/TECHNICAL ASSISTANCE - forecast of new projects for 1971 (cont'd)

	<u>Experts</u> <u>m/m</u>	<u>Fellows</u> <u>m/m</u>	<u>Other</u> <u>US\$</u>
<u>ASIA AND THE FAR EAST (cont'd)</u>			
Feasibility of establishing a spinning mill for fine-count cotton/polyester	2/12	-	-
Rice processing industry	14/78	6/36	-
Agar-agar industry development	1/6	-	-
Development of food technology on food industry research	3/24	4/24	-
Soya protein industry	9/54	9/54	-
Vegetable oil processing	4/24	-	-
Development of coconut processing	2/12	4/24	-
Fruit and vegetable processing	8/42	2/12	-
Feasibility study for a prefabricated housing factory	2/12	-	-
Assistance to the furniture industry	1/6	1/6	-
Assistance to the wood processing industry	2/8	-	-
Feasibility study for a plant for industrial production of low-cost wooden houses	2/12	-	-
Assistance in the hides, skins and leather field	4/24	-	-
Assistance to the footwear industry	2/12	-	-
<u>EUROPE AND THE MIDDLE EAST</u>			
Establishment of local textile manufacturing - feasibility studies	2/12	-	-
Assistance to the textile industry	1/12	-	-
Quality control in the knitting industry	1/6	-	-
Development of the fruit and vegetable processing industry	3/12	2/12	-
Food processing research	3/18	4/24	-
Fish processing development	3/18	-	-
Vegetable oil development	2/12	-	-
Planning of food industry development	2/12	-	-
Sugar processing from dates	2/12	-	-
Assistance to the fibreboard industry	2/12	2/12	-
Assistance for tannery and leather goods	1/6	-	-
Assistance to the leather industry	1/6	1/4	-

UNIDO REGULAR PROGRAMME - approved projects

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
	<u>AFRICA</u>			
	<u>Algeria</u>			
RP-06-2	<u>Food and light industries</u> - milling techniques			
	expert	1/6 m/m	-	-
	fellows	2/12 m/m	-	18,350
	<u>Burundi</u>			
RP-06-2	<u>Food and light industries</u> - food and tobacco processing			
	fellows	2/12 m/m	-	7,200
	<u>Central African Republic</u>			
RP-06-2	<u>Food and light industries</u> - cassava processing, production of food stuffs			
	fellows	2/9 m/m	-	5,600
	<u>Chad</u>			
RP-06-3	<u>Food and light industries</u> - modern milling techniques			
	fellow	1/6 m/m	-	3,400
	<u>Ivory Coast</u>			
RP-06-2	<u>Food and light industries</u> - agro-industrial training			
	fellow	1/6 m/m	-	3,400
	<u>Kenya</u>			
RP-06-2	<u>Food and light industries</u> - modern techniques of of corn processing			
	fellow	1/6 m/m	-	3,400

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>AFRICA (cont'd)</u>				
<u>Madagascar</u>				
RP-06-3	<u>Food and light industries</u> - agro-industrial training			
	fellow	1/3 m/m	-	2,200
<u>Mali</u>				
RP-06-2	<u>Food and light industries</u> - agro-industrial training			
	fellows	2/12 m/m	-	6,800
<u>Mauritania</u>				
RP-06-2	<u>Food and light industries</u> - new techniques in food industries			
	fellows	2/12 m/m	-	6,800
<u>Mauritius</u>				
RP-06-2	<u>Food and light industries</u> - fish processing industries			
	fellows	1/6 m/m	-	3,400
<u>Nigeria</u>				
RP-06-3	<u>Food and light industries</u> - refrigeration techniques			
	fellow	1/6 m/m	-	3,400
<u>Rwanda</u>				
RP-06-3	<u>Food and light industries</u> - fruit and vegetable processing, tea processing			
	fellows	3/18 m/m	-	10,200
RP-06-30	<u>Light industries*</u> - leather tanning			
	fellow	1/12 m/m	5,800	-

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>AFRICA (cont'd)</u>				
<u>Senegal</u>				
RP-06-2	<u>Food and light industries</u> - animal products, industrial processing			
	fellow	1/6 m/m	-	3,400
<u>Somalia</u>				
RP-06-3	<u>Food and light industries</u> - agro-industrial training			
	fellow	1/6 m/m	-	3,400
<u>Sudan</u>				
RP-06-3	<u>Food and light industries</u> - oil seed industries			
	fellow	1/6 m/m	-	3,400
RP-06-34	<u>Food industries*</u> - food chemist			
	expert	1/4 m/m	7,800	-
<u>Togo</u>				
RP-06-3	<u>Food and light industries</u> - cassava production, agro-industrial training			
	fellows	2/12 m/m	-	7,200
<u>Tunisia</u>				
RP-06-2	<u>Food and light industries</u> - refrigeration techniques			
	fellow	1/6 m/m	-	11,550
<u>Uganda</u>				
RP-06-2	<u>Food and light industries</u> - production of protein from soya bean			
	fellows	2/12 m/m	-	6,800

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>AFRICA (cont'd)</u>				
<u>United Republic of Tanzania</u>				
RP-06-40	<u>Light industries*</u> - textile industry			
	fellow	1/6 m/m	3,400	-
<u>Upper Volta</u>				
RP-06-2	<u>Food and light industries</u> - agro-industrial training, meat processing, feasibility studies for food industry			
	expert	1/3	-	5,775
	fellows	2/12	-	7,200
<u>Regional</u>				
RP-06-9	<u>Food and light industries</u> - regional adviser, mechanical forest industries			
	expert	1/12 m/m	-	24,500
RP-06-126	<u>Mechanical forest industries*</u> - regional adviser, secretariat assistance			
	expert	1/12 m/m	27,000	-
RP-06-153	<u>Food industries (OCAM)*</u> - meat marketing			
	expert	1/3 m/m	6,000	-
<u>THE AMERICAS</u>				
<u>Argentina</u>				
RP-06-3	<u>Food industries</u> - advanced techniques of food preservation			
	fellows	2/12 m/m	-	6,800
<u>Barbados</u>				
RP-06-2	<u>Food industries</u> - food processing			
	fellow	1/3 m/m	-	2,200

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>THE AMERICAS (cont'd)</u>			
<u>Brazil</u>			
RP-06-3	<u>Food and light industries</u> - development of tropical fruit industry, agro-industrial training		
	fellows	3/18 m/m	- 10,200
<u>Dominican Republic</u>			
RP-06-93	<u>Light industry*</u> - food processing		
	fellow	1/12 m/m	5,800 -
<u>Ecuador</u>			
RP-06-3	<u>Food and light industries</u> - technology and cold storage (refrigeration) in fish industry, development of textile industry		
	fellows	2/12 m/m	- 7,200
<u>Guyana</u>			
RP-06-2	<u>Food and light industries</u> - food processing		
	fellow	2/12 m/m	- 6,800
RP-06-97	<u>Light industries*</u> - management food processing, wood industrial processing		
	fellows	2/10 m/m	6,000 -
<u>Paraguay</u>			
RP-06-4	<u>Food and light industries</u> - tropical fruit processing technology		
	fellows	2/12 m/m	- 6,800
<u>Peru</u>			
RP-06-2	<u>Food and light industries</u> - fish protein concentrate production		
	fellows	2/12 m/m	- 6,800

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>THE AMERICAS (cont'd)</u>				
<u>Trinidad and Tobago</u>				
RP-06-2	<u>Food and light industries - fish industry development</u>			
	fellow	1/6 m/m	-	3,400
<u>Uruguay</u>				
RP-06-3	<u>Food and light industries - meat preservation</u>			
	fellow	2/18 m/m	-	9,200
RP-06-106	<u>Light industries* - food processing</u>			
	expert	1/6 m/m	12,400	-
<u>ASIA AND THE FAR EAST</u>				
<u>India</u>				
RP-06-2	<u>Food and light industries - modern methods of rice processing, protein production from soya bean</u>			
	fellow	3/15 m/m	-	9,000
<u>Cambodia</u>				
RP-06-2	<u>Food and light industries - rice processing</u>			
	fellow	2/12 m/m	-	6,800
<u>India</u>				
RP-06-5	<u>Food and light industries - rice processing</u>			
	fellow	3/36 m/m	-	17,400
	agro-industrial training			
	fellow	3/27 m/m	-	13,800

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			<u>(in US dollars)</u>	
<u>ASIA AND THE FAR EAST (cont'd)</u>				
<u>Iran</u>				
RP-06-7	<u>Food and light industries - food processing in agro-industrial complex</u>			
	fellow	1/6 m/m	-	3,400
<u>Lebanon</u>				
RP-06-2	<u>Food and light industries - food processing adviser</u>			
	expert	1/8 m/m	-	15,400
RP-06-64	<u>Food and light industries* - feasibility studies for food industry</u>			
	expert	1/6 m/m	11,800	-
<u>Mongolia</u>				
RP-06-67	<u>Food and light industries* - fur production</u>			
	fellows	2/12 m/m	6,800	-
	Food industries			
	fellows	2/12 m/m	6,800	-
<u>Morocco</u>				
RP-06-4	<u>Food and light industries - wool processing</u>			
	fellow	1/6 m/m	-	3,400
RP-06-69	<u>Food and light industries* - wool processing</u>			
	fellow	1/4 m/m	2,600	-
	cotton industry			
	fellow	1/4 m/m	2,600	-

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>ASIA AND THE FAR EAST (cont'd)</u>			
<u>Pakistan</u>			
NP-06-71	<u>Food and light industries*</u> - food processing fellows	2/12 m/m	6,800 -
<u>Philippines</u>			
NP-06-3	<u>Food and light industries</u> - production of irradiated plastic impregnated soft wood		
	fellow	1/3 m/m	- 2,200
	vegetable oil processing		
	fellow	2/12 m/m	- 6,800
	research practice on rice processing (bran oil extraction)		
	fellow	2/12 m/m	- 6,800
<u>Thailand</u>			
NP-06-142	<u>Food and light industries*</u> - textile industries		
	fellow	1/6 m/m	3,400 -
<u>Regional</u>			
NP-06-7	<u>Food and light industries</u> - oils and fats industries		
	expert	1/12 m/m	- 24,500
NP-06-10	<u>Food and light industries</u> - rice processing engineering		
	expert	1/12 m/m	- 24,500
NP-06-83	<u>Food and light industries*</u> - oils and fats industries		
	expert	1/12 m/m	23,600 -

UNIDO REGULAR PROGRAMME - approved projects (cont'd)

<u>Project</u> <u>number</u>	<u>1969</u> <u>1970</u> (in US dollars)
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EUROPE AND THE
MIDDLE EASTIsrael

RP-06-3	<u>Food and light industries</u> - leather processing industries			
	fellow	1/3	m/m	- 2,200

Malta

RP-06-117	<u>Light industry*</u>			
	expert	1/3	m/m	6,200 -

Table 3Estimated expenditures for approved RP projects, 1969-1970

	<u>1969</u>		<u>1970</u>	
	<u>m/m</u>	<u>US\$</u>	<u>m/m</u>	<u>US\$</u>
Experts	7/34	96,800	6/59	106,675
Fellows	14/87	50,000	65/413	236,300
Other	-	100	-	-
Total		146,900		342,975

UNIDO REGULAR PROGRAMME - forecast of new projects for 1971

	<u>Experts</u>	<u>Fellows</u>
	<u>m/m</u>	<u>m/m</u>
<u>AFRICA</u>		
Cork processing	-	1/6
Milling techniques	-	4/20
Agro-industrial training	-	7/35
Wooden carts and wheels production	-	1/12

UNIDO REGULAR PROGRAMME - forecast of new projects for 1971

	<u>Experts</u>	<u>Fellows</u>
	<u>n/n</u>	<u>n/n</u>
<u>AFRICA (cont'd)</u>		
Particle board production	-	1/6
Leather production	-	11/62
Corn industry	-	1/6
Rice processing	-	1/6
Tuna fish processing	-	1/6
Textile production	-	5/30
Joinery and furniture	-	2/6
Wood processing	-	1/6
Corn industry development	-	2/8
<u>THE AMERICAS</u>		
Leather production	-	4/16
Vegetable oil production	-	2/8
Footwear industry	-	1/6
Flax board industry	-	1/6
Food processing	-	1/6
Agro-industrial development	-	1/6
Leather processing	-	4/16
<u>ASIA AND THE FAR EAST</u>		
Leather processing	-	1/6
Agro-industrial development	-	4/24
Furniture industry	1/6	4/24
Rice processing	-	2/12
Regional adviser, rice processing engineering	1/12	-

UNIDO REGULAR PROGRAMME - forecast of new projects for 1971 (cont'd)

		<u>Experts</u>	<u>Fellows</u>
		<u>m/m</u>	<u>m/m</u>
<u>ASIA AND THE FAR EAST (cont'd)</u>			
	Regional adviser, oils and fats industries	1/12	-
<u>EUROPE AND THE MIDDLE EAST</u>			
	Food processing	-	1/3
	Textile industries	-	2/12
<u>SPECIAL INDUSTRIAL SERVICE - approved projects</u>			
<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>AFRICA</u>			
<u>Algeria</u>			
67/85 ALG-2	<u>Assistance in the reactivation of the Cobiscal factory ("Biscuiterie de l'Algerois") - adviser to the general manager</u>		
	expert	1/12 m/m	13,000 13,000
69/559 ALG-9	<u>Assistance to the Société National des Lièges - cork processing specialist</u>		
	expert	1/6 m/m	- 12,000
<u>Burundi</u>			
68/411 BDI-1	<u>Feasibility study on the establishment of a tobacco processing industry - marketing and processing</u>		
	experts	2/4 m/m	4,000 4,000
68/412 BDI-3	<u>Assistance for the establishment of a milling industry</u>		
	consulting firm		7,500 7,500

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>AFRICA (cont'd)</u>			
<u>Burundi (cont'd)</u>			
68/413 BDI-4	<u>Feasibility study for a particle board plant*</u> consulting firm	23,600	-
69/617 BDI-7	<u>Study of possibilities for manufacture of bags from local fibres - for coffee and other agricultural products</u> expert	1/2 m/m	4,000
<u>Central African Republic</u>			
68/351 CAF-6	<u>Feasibility study for cassava industrialization*</u> - food technologist expert	1/3 m/m	6,200
68/362 CAF-2	<u>Assistance to a plywood mill in Lobaye region*</u> - wood technologist/mechanical engineer, industrial finance adviser experts	2/4 m/m	8,000
68/380 CAF-4	<u>Assessment of the possibilities of establishing medicinal plants and essential oils industry</u> - ochemical engineer/industrial chemist expert	1/6 m/m	10,000
<u>Chad</u>			
68/349 CHD-1	<u>Assistance to the Société des Industries de la Viande du Tchad - meat technologist</u> expert	1/3 m/m	6,200
<u>Congo (Brazzaville)</u>			
67/151 CON(B)-1	<u>Assistance to the vegetable oil industry</u> - palm oil extraction and refining specialist expert	1/4 m/m	9,000
67/171 CON(B)-3	<u>Pre-investment study for the establishment of a pineapple canning industry*</u> expert	1/2 m/m	5,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>AFRICA (cont'd)</u>				
<u>Dahomey</u>				
69/611 DAH-3	<u>Assistance in the development of the cashew nut processing industry - industrial production adviser</u>			
	expert	1/0.25 m/m	1,000	-
<u>Ethiopia</u>				
67/141 ETH-3	<u>Assistance for improving the quality of hides and skins to meet leather industry specifications* - marketing specialist</u>			
	expert	1/6 m/m	11,500	-
	equipment		1,000	-
68/316 ETH-9	<u>Assistance to the leather and shoe industry* - shoe technologist, chemical engineer</u>			
	experts	2/4 m/m	10,000	-
68/427 ETH-13	<u>Feasibility study on the establishment of a plant for soluble coffee*</u>			
	expert	1/3 m/m	8,000	-
<u>Guinea</u>				
67/186 GUI-1	<u>Assistance to the research, test and control laboratory for vegetable and essential oils - chemical engineer</u>			
	expert	1/3 m/m	-	7,000
	fellow	1/6 m/m	-	3,600
<u>Kenya</u>				
67/122 KEN-1	<u>Industrial processing of maize - processing specialist, marketing specialist</u>			
	experts	2/6 m/m	11,000	2,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>AFRICA (cont'd)</u>			
<u>Madagascar</u>			
67/154 MAC-4	<u>Assistance to the Tulear Vegetable Oil Company - organization and management specialist, industrial production specialist, chemical engineering specialist, technicians specialist</u>		
	experts	2/4 m/m	38,500 5,500
	fellows	4/19 m/m	- 16,500
<u>Mali</u>			
67/183 MLI-3	<u>Meat processing industry development* - meat processing specialist</u>		
	expert	1/1 m/m	2,100 -
<u>Mauritius</u>			
67/225 MAR-4	<u>Assistance to the tuna fish processing industry - processing and marketing specialist</u>		
	expert	1/6 m/m	4,000 10,000
67/230 MAR-5	<u>Utilization of by-products of sugar-cane industries*</u>		
	consulting firm		30,000 -
<u>Morocco</u>			
67/69 MOR-2	<u>Assistance to the SONAFAB fish protein concentrate plant - fish meal and protein processing specialist</u>		
	experts	3/12 m/m	39,500 -
	equipment		22,200
<u>Rwanda</u>			
68/328 RWA-11	<u>Feasibility study for the establishment of a malt production factory</u>		
	expert	1/2 m/m	2,500 2,500

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>AFRICA (cont'd)</u>				
<u>Rwanda (cont'd)</u>				
68/381 RWA-8	<u>Assistance for the reactivation of the Rwantexco blanket factory*</u> - textile manufacturing specialist	expert	1/1 m/m	3,000 -
69/574 RWA-19	<u>Feasibility study for the establishment of a local textile manufacturing industry</u> - textile technologist	expert	1/2 m/m	- 5,000
<u>Sudan</u>				
68/257 SUD-10	<u>Training of the Sudanese nationals for the running and control of four food processing plants*</u> - technical and economic management specialist	expert	1/3 m/m	7,000 -
68/262 SUD-8	<u>Assistance to the Khartoum tannery</u> - leather technologist, leather chemist, marketing and grading of hides and skins	experts	4/24 m/m	29,000 29,000
68/354 SUD-12	<u>Feasibility study for the expansion of the sugar industry</u> - sugar technologist	expert	1/5 m/m	2,000 8,000
68/377 SUD-16	<u>Survey of the edible oils and fats industry</u> - oils and fats technologist	expert	1/2 m/m	- 3,000
<u>Togo</u>				
67/166 TOG-1	<u>Cassava agro-industrial complex</u> - manufacture and marketing of dry flakes, flour and starch	expert	1/6 m/m	- 14,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>AFRICA (cont'd)</u>			
<u>Uganda</u>			
69/516 UGA-10	<u>Assistance to the tannery industry - leather technologist</u>		
	expert	1/3 m/m	5,000 1,000
69/592 UGA-13	<u>Assistance to the cashew nut processing industry - food technologist</u>		
	expert	1/4 m/m	- 8,000
<u>United Arab Republic</u>			
68/291 UAR-13	<u>Industrial production of raw and natural silk* - silk spinning specialist</u>		
	expert	1/1 m/m	3,000 -
68/374 UAR-22	<u>Assistance to the textile finishing industry - finishing, colouring, dyeing, carding and textile specialists</u>		
	experts	5/30 m/m	44,000 11,000
<u>Upper Volta</u>			
68/320 UPV-8	<u>Assistance in the development of the vegetable oil processing industry</u>		
	expert	1/3 m/m	- 6,200
69/505 UPV-4	<u>Programme of agro-industrial development - phase I (economy and food technology)</u>		
	expert	1/3 m/m	- 6,000
<u>East African Community</u>			
68/364 EAC-4	<u>Textile study - survey of the textile industry</u>		
	consulting firm		10,000 30,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>THE AMERICAS</u>			
<u>Argentina</u>			
67/206 ARG-2	<u>Food industry development - programming expert</u> expert	1/12 m/m	- 24,000
69/474 ARG-8	<u>Footwear industry production and management</u> expert	1/4 m/m	- 7,000
<u>Brazil</u>			
69/534 BRA-16	<u>Assistance to the textile industry - industrial economist</u> expert	1/4 m/m	- 8,000
<u>Chile</u>			
68/337 CHI-3	<u>Assistance to the textile industry - technologist</u> expert	1/6 m/m	3,000 8,000
<u>Dominican Republic</u>			
69/496 DOM-7	<u>Assistance to the integrated cotton mill "Sacos y Tejidos Dominicanos" - chemist and technologist</u> experts	2/24 m/m	- 48,000
<u>Ecuador</u>			
68/302 ECU-5	<u>Assistance in the reorganization of the textile industry sector - industrial production specialist, fabric finishing specialist, fibre dyeing specialist, marketing specialist</u> experts	4/12 m/m	4,000 20,800
68/388 ECU-6	<u>Assistance for the development of the fruit processing industry - fruit processing technologist</u> expert	1/5 m/m	- 9,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>THE AMERICAS (cont'd)</u>				
<u>Guyana</u>				
68/355 GUY-3	<u>Assistance to Guyana Marketing Corporation</u> - industrial engineering, economy, food technologist	experts	2/7 m/n	4,000 12,000
69/453 GUY-4	<u>Assistance to a particle board plant</u> - production specialist	expert	1/3 m/n	7,000 -
<u>Honduras</u>				
69/557 HON-2	<u>Assistance in surveying the fruit processing industry</u>	expert	1/3 m/n	- 6,000
<u>Jamaica</u>				
67/256 JAM-2	<u>Assistance to the furniture industry*</u> - industrial production specialist	expert	1/1 m/n	1,500 -
<u>Paraguay</u>				
69/494 PAR-4	<u>Assistance to the Paraguay wood processing industry - through the Technical Standards Institute (sawing tropical hardwoods, grading of sawn tropical hardwoods)</u>	experts	2/6 m/n	4,000 8,000
<u>Peru</u>				
67/188 PER-3	<u>Assistance in improving the performance of the textile industry</u>	consulting firm		20,900 -

SPECIAL INDUSTRIAL SERVICES - approved applicants (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>THE AMERICAS (cont'd)</u>				
<u>Trinidad and Tobago</u>				
68/408 TRI-9	<u>Assistance to fruit processing industry</u> <u>- citrus fruit processing specialist</u>	expert	1/6 m/m	2,000 10,000
<u>ASIA AND THE PACIFIC</u>				
<u>Ceylon</u>				
67/222 CEY-3	<u>Assistance to the oils and fats corporation*</u> <u>- vegetable oil technologist</u>	expert	1/8 m/m	16,000 -
67/243 CEY-6	<u>Assistance for vegetable oil industry</u> <u>development* - vegetable oil technologist</u>	expert	1/12 m/m	24,000 -
68/435 CEY-11	<u>Feasibility study for the manufacture of</u> <u>agar-agar</u>	expert	1/3 m/m	- 7,000
69/495 CEY-9	<u>Assistance for the production of synthetic</u> <u>resin adhesives for plywood, chipboard and</u> <u>related products</u>	expert	1/3 m/m	- 6,000
<u>Fiji (Oceania)</u>				
69/532 FIJ-2	<u>Advice on the development of tanning and footwear</u> <u>manufacturing</u>	expert	1/4 m/m	- 8,000
69/533 FIJ-4	<u>Assistance in fruit and vegetable processing</u> <u>and marketing</u>	expert	1/3 m/m	- 6,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project NUMBER</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>ASIA AND THE PACIFIC (cont'd)</u>				
<u>Indonesia</u>				
67/174 INS-3	<u>Organisation and production improvement of three state-owned spinning mills*</u> - management	expert	1/11 m/m	21,200 -
<u>Laos</u>				
68/336 LAO-2	<u>Improvement of production methods of a match factory*</u>	expert	1/3 m/m	6,200 -
<u>Malaysia</u>				
67/244 MAL-3	<u>Assistance in upgrading the quality and production of the leather industry - technical and management assistance</u>	expert	1/6 m/m	14,000 -
69/489 MAL-5	<u>Textile marketing study*</u>	expert	1/1 m/m	2,500 -
69/503 MAL-9	<u>Feasibility study for the establishment of joinery and furniture industries</u>	consulting firm		2,000 10,500
69/504 MAL-8	<u>Feasibility study for the establishment of a particle board plant - industrial economist</u>	expert	1/4 m/m	2,000 6,000
<u>Pakistan</u>				
69/473 PAK-7	<u>Assistance to the East Pakistan Industrial Development Corporation (EPIDC) - sugar technology (cane sugar manufacturing)</u>	expert	1/6 m/m	- 12,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>		<u>1969</u>	<u>1970</u>
		(in US dollars)	
<u>ASIA AND THE FAR EAST (cont'd)</u>			
<u>Singapore</u>			
68/333 SIN-5	<u>Assistance in the field of industrial product design - metal and plastic products specialist, wooden furniture specialist</u>		
	experts	3/18 m/m	20,200 12,800
68/334 SIN-6	<u>Assistance to wood-working industries</u>		
	expert	1/16 m/m	2,000 9,000
68/358 SIN-7	<u>Assistance to the printing industry - printing specialist</u>		
	expert	1/6 m/m	- 11,000
68/359 SIN-9	<u>Assistance to the leather products factory</u>		
	expert	1/6 m/m	- 11,000
68/403 SIN-10	<u>Assistance to the footwear industry - manufacturing, production and marketing of leather and footwear</u>		
	experts	3/13 m/m	17,000 14,700
69/609 SIN-13	<u>Assistance to the food processing industry</u>		
	expert	1/7 m/m	- 14,000
<u>Thailand</u>			
68/386 THA-5	<u>Assistance to the rice processing industry - rice growing and processing specialist, industrial economist</u>		
	consulting firm		5,000 30,000
68/416 THA-4	<u>Feasibility study for the establishment of an industry based on kenaf - fibre technologist, marketing specialist, industrial economist</u>		
	experts	3/15 m/m	5,000 27,000
69/468 THA-8	<u>Advice on the organization and operations of the Sugar Institute and Sugar Advisory Board</u>		
	expert	1/5 m/m	- 10,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			(in US dollars)	
<u>ASIA AND THE FAR EAST (cont'd)</u>				
<u>Thailand (cont'd)</u>				
69/594 THA-9	<u>Assistance in the development of rubber products industry</u>	expert	1/3 m/m	- 6,000
69/595 THA-10	<u>Modernization and expansion of the wood processing industries - industrial economist</u>	expert	1/4 m/m	- 8,000
<u>EUROPE AND THE MIDDLE EAST</u>				
<u>Iceland</u>				
68/449 ICE-2	<u>Export sales promotion of the integrated fish processing industry*</u>	consulting firm	45,000	-
<u>Iraq</u>				
68/422 IRQ-2	<u>Assistance in the preparation of a development plan for industrial manufacture of liquid invert sugar from dates - refining</u>	expert	1/3 m/m	3,000 5,000
<u>Israel</u>				
69/511 ISR-3	<u>Consultant to the clothing industry - industrial economist</u>	expert	1/3 m/m	- 6,000
<u>Syria</u>				
69/579 SYR-22	<u>Assistance to the "Al Shark" beer processing factory</u>	expert	1/6 m/m	- 12,000

SPECIAL INDUSTRIAL SERVICES - approved projects (cont'd)

<u>Project number</u>			<u>1969</u>	<u>1970</u>
			<u>(in US dollars)</u>	
<u>EUROPE AND THE MIDDLE EAST (cont'd)</u>				
<u>Yugoslavia</u>				
68/346 YUG-12	<u>Assistance in beer fermentation to three breweries</u>	expert	1/6 m/m	- 11,000
69/455 YUG-14	<u>Assistance to the wood industrial enterprise "Janji" in Donji Vakuf - joinery specialist</u>	expert	1/4 m/m	- 8,000
		fellow	1/3 m/m	2,200 -
69/466 YUG-16	<u>Assistance to the "Crni Bor" wood industrial enterprise in Prilep</u>	expert	1/3 m/m	- 6,000

Table 4

Estimated expenditures for SIS projects, 1969-1970

	<u>1969</u>		<u>1970</u>	
	<u>m/m</u>	<u>US\$</u>	<u>m/m</u>	<u>US\$</u>
Experts	65/210	432,100	58/240	538,500
Fellows	1/3	2,200	5/25	20,100
Other	-	167,200	-	78,000
Total		601,500		636,600

B. SUPPORTING ACTIVITIES

11. The supporting activities for Group 6 are classified under the following projects:

Textiles	6.01
Food processing	6.02
Wood processing	6.03
Leather and leather products	6.04

12. As was mentioned in the prefatory remarks to the section on supporting activities in Part One (ID/B/64), the objective of the supporting activities is to establish a two-way flow of information and experience between the supporting activities at headquarters and the field. A great deal of material on which headquarters' studies and meetings are based is derived from information received from the field. In turn, the studies and meetings are intended to improve the substantive support given by headquarters to the field operations. In many cases these results are fed directly to the field in the form of reports. In all cases, they constitute an accumulation of knowledge and experience on which both headquarters and field staff are able to draw in response to the needs arising in the technical assistance operations.

Textiles (6.01)

13. The programme of UNIDO in textiles reflects the recommendations of the First Interregional Workshop on Textile Industries, held in Lodz (Poland) in 1965, and the experiences gained in carrying out technical assistance projects. Supporting activities concentrate on the following problem areas where advice and assistance has proven to be of practical value:

Selection of machinery;

Assessment of processes to determine their suitability to developing countries;

Economic aspects of the industry;

Quality control.

14. The studies and reports prepared by UNIDO in the field of textiles have wide distribution. For example, the Report of Expert Group Meeting on the Selection of Textile Machinery in the Cotton Industry (ID/WG.8/1) is being

used by major machine manufacturers, national development banks and government departments dealing with the textile industry as well as by mill managers.

Expert group meeting on quality control in
the textile industry (6.01.01)

15. The problem of quality control in the textile industry is receiving considerable attention as reflected by the increasing number of relevant technical assistance requests processed by UNIDO. On the basis of needs in developing countries and findings by UNIDO field experts, UNIDO plans, subject to availability of funds, to hold in 1970 an expert group meeting on quality control in the textile industry. This meeting was originally scheduled for 1969 (ID/B/26, para. 90) but had to be postponed for budgetary reasons. The purpose of the meeting is to establish guidelines and recommendations on how to introduce and operate an efficient quality control programme in a textile mill. The meeting will cover the various processing stages from spinning to dyeing and finishing. Representatives from ILO will be invited to attend. A report will be issued and distributed in 1971.

	Staff (in m/m)	Meetings (US\$)	Consultants (US\$)
1969	1	-	8,000
1970	2	6,000	-
1971	1	-	-

Priority B

Expert group meetings on the selection of machinery
(dyeing and finishing industry and knitting industry) (6.01.02)

16. The first of the meetings on selection of textile machinery was held in Vienna in 1967 and was devoted to selection of machinery in the cotton industry (ID/WG.8/1). The second meeting, which focused on selection of equipment in the woollen and worsted industry, was held in Bursa (Turkey) in November 1968. The report (ID/33) will be published in 1970. The third meeting, which will deal with the selection of dyeing and finishing equipment, will be held in 1970 in Vienna (ID/B/44 para. 151 to 154) and will be guided by findings of UNIDO experts in technical assistance projects in the field of dyeing and finishing. The fourth meeting in this series will study the question of machinery selection in the knitting industry. It is proposed to hold this

meeting, which was originally included in the 1970 programme under priority B (ID/B/44, para. 154), in 1971.

	Staff (in m/m)	Meetings (US\$)	Consultants (US\$)
1969	1	-	1,000
1970	2	5,000	4,000
1971	2	5,000	5,000

Priority A

Second interregional workshop on textile industries (6.01.03)

17. This meeting is part of a series of larger meetings in textiles which aim at extending the scope of work to broader issues of national importance, in accordance with the recommendations contained in the Report of the United Nations Interregional Workshop on Textile Industries held in Lodz in 1965 (ST/TAO/SER.C/88). Among the topics to be dealt with are general policies of textile industry development, current trends in the textile industry and trade, raw material problems, as well as trends in marketing and technology. The need to discuss these problems is supported by findings of UNIDO field experts from the considerable number of technical assistance projects carried out by UNIDO in the textile industry.

18. The workshop will be held in conjunction with the in-plant training course of UNIDO in Lodz, Poland, during the second half of 1971, following two major events on the international textile scene: the International Textile Machinery Exhibition (ITMA 71) in Paris in May 1971 and the Second World Congress on Man-made Fibres in Paris in June 1971, organized by the Comité International de la Rayonne et des Fibres Synthétiques.

19. It is intended to prepare part of the background documentation for this workshop in 1970 through re-allocation of funds from the Regular Budget. The publication of the proceedings will be included in the 1972 work programme.

	Staff (in m/m)	Meetings (US\$)	Consultants (US\$)	Priority A
1969	-	-	-	
1970	4	-	5,000	
1971	4	15,000 ^{a/}	5,000 ^{a/}	

^{a/} UNDP/TA funds.

Food processing (6.02)

20. Modern food processing industries require efficient equipment, large-scale plants, integrated production processes, adequate raw material and trained operators. UNIDO is assisting developing countries in the establishment and modernization of food processing plants by analysing market requirements, by selecting the most desirable production lines and by assisting in the elaboration of feasibility studies, selection of the most suitable production processes, equipment and plant size, location and other factors needed for producing goods in accordance with the market requirements in terms of quantity, quality, timing and price. Work in this sector is closely co-ordinated with FAO along the guidelines laid down in the agreement between UNIDO and FAO of July 1969.

Expert group meeting on fish protein concentrate (6.02.01)

21. The problem of the "protein gap" is being given increasing attention by governments, and UNIDO has received a number of technical assistance requests in this sector.

22. An expert group meeting was held jointly with FAO in Rabat, Morocco, in December 1969. By means of demonstrating the process of production of fish protein concentrates and analysing the studies prepared on the various technological aspects, guidelines were worked out for the development of concentrates on an industrial basis. The guidelines deal with aspects of equipment, plant size, location, production lines and other requirements for producing a high quality product at a competitive cost. Through the exchange of ideas among United Nations experts, representatives of developed and developing countries (ID/B/26, para. 92) and also through the dissemination of the recommendations, it is expected that UNIDO will be requested to assist the developing countries in similar projects. The proceedings of this meeting will be published in 1971.

Priority A

	<u>Staff (in m/m)</u>	<u>Meetings (US\$)</u>	<u>Consultants (US\$)</u>
1969	2	10,000	7,000
1970	1	-	-
1971	1	-	-

Expert Group Meeting on Soybean Processing and Use (6.02.02)

23. Also in recognition of the problems connected with the "protein gap", an expert group meeting was held in Peoria, Illinois, in November 1969, in cooperation with the United States Department of Agriculture and with the participation of FAO, the Protein Advisory Group and other United Nations agencies. The purpose of this meeting was to analyse the experience of certain developing countries in the field of soybean protein foods production. By means of visits to plants and laboratories and by the analysis of studies prepared by industry representatives and research centres from developed countries, the participants from developing countries had an opportunity to familiarize themselves with commercialized vegetable protein, which is already being used in the production of meat-like and meat-substitution products and which is competing successfully in appeal and general acceptance. Special attention was paid by the meeting to engineering aspects, layout, equipment problems, as well as to economic analysis adapted to developing countries.

24. Following the dissemination of the conclusions and recommendations of the meeting, which will be published in 1971, it is expected that UNIDO will be requested to assist developing countries in the establishment of similar plants. One technical assistance project is already being processed by UNIDO.

Priority A

	<u>Staff (in m/m)</u>	<u>Meetings (US\$)</u>	<u>Consultants (US\$)</u>
1969	3	11,200	4,200
1970	2	-	-
1971	1	-	-

Expert group meeting on the selection of food
processing equipment (6.02.03)

25. UNIDO has already received a number of technical assistance requests in this sector. Initial findings indicate certain problems arising from the great variety of equipment at different levels of technology. With many of the machines becoming obsolete, selection of the most appropriate equipment is a difficult problem for the developing countries which have little information and experience to go by.

26. Following the recommendations of the Athens Symposium (ID/11, para. 287), UNIDO staff carried out preparatory discussions with the Moscow Central Food Research Institute (ID/B/44, para. 169) with the objective of holding a meeting in Moscow in 1970. This will be the first of a series of annual meetings to analyse the new developments in various branches of the food processing industry and to define equipment specifications in order to help developing countries in the selection of equipment. The preparation of the background material by consultants will be financed from the Regular Budget.

	Staff (in m/m)	Meetings (US\$)	Consultants (US\$)	<u>Priority A</u>
1969	1	-	600	
1970	5	19,000 ^{a/}	3,000	
1971	3	19,000 ^{a/}	3,000	

^{a/} From the General Trust Fund of UNIDO.

Expert group meeting on cassava processing (6.02.04)

27. Cassava (tapioca, manioc and yam) and similar root crops can be grown in tropical regions. The consumption of cassava roots and the possibility of increasing cassava production are limited by the rapid deterioration of the root after harvesting. This problem can be solved by modern processing methods.

28. Preparations were made in 1969 for a meeting to be held, subject to availability of funds, in co-operation with FAO in Vienna in 1970 (ID/B/44, para. 165). The meeting will review the engineering aspects of production of cassava flakes for animal feedstuffs, production of cassava flour and enriched cassava flour, processing of cassava starch, cassava sugar and syrup, and

artificial and natural drying of cassava products. An analysis will be made of technical assistance that has been given by UNIDO in the establishment and reorganization of cassava processing plants. The dissemination in 1972 of findings of this meeting is expected to lead to other technical assistance projects.

	Staff (in m/m)	Meetings (US\$)	Consultants (US\$)	<u>Priority B</u>
1969	1	-	-	
1970	2	5,000	7,000	
1971	2	-	-	

Expert group meeting on oils and fats (6.02.05)

29. The developing countries are already suppliers of oil-bearing materials for the world market (palm kernels, coconut, copra, sesame seeds, cocoa beans, groundnuts, linseeds etc.). In recent years, interest has been increasing in local processing of raw materials into refined edible oil, textile auxiliary products and raw materials for plastics. As much as one third of the assistance that UNIDO is giving to developing countries in the food processing industry is related to establishment and reorganisation of industrial plants that extract and refine vegetable oil and that use vegetable oil-cakes in the production of animal feedstuffs.

30. Of particular importance in this context is the utilization of coconut. UNIDO and ECAFE are working in close co-operation with the Asian Coconut Community to assist various countries in the utilisation of this raw material. A UNDP/SF request involving the establishment of a coconut institute has been recently submitted by one of the countries of this region.

31. In 1969, UNIDO staff collected information on present and potential developments in this field, on up-to-date processing techniques and on vegetable oil markets. Subject to availability of funds, a working group meeting will be convened by UNIDO in 1970, in co-operation with FAO, at which the various aspects of industrial vegetable oil production in developing countries will be discussed and a policy of development proposed (ID/B/44, para. 167).

Priority B

	Staff (in n/a)	Meetings (US\$)	Consultants (US\$)
1969	1	-	-
1970	3	5,000	7,000
1971	2	-	-

Seminar on industrial processing of rice (6.02.06)

32. UNIDO is undertaking, in co-operation with ECAFE and FAO, a programme of activities to assist developing countries in reorganizing their rice processing industry. The introduction of modern methods to this industry will contribute to a better utilization of this staple food by increasing the yield and making use of rice bran, rice wax, oil and protein. The first project of this type is being undertaken in a South Asian country and other requests are expected.

33. UNIDO is planning to hold an expert group meeting in Bangkok in early 1971. Recent technological developments will be reviewed and basic guidelines for dealing with the rice processing problems will be formulated. On the basis of recommendations of the expert group meeting, a seminar will be held in late 1971, also in Bangkok (ID/B/44, para. 162). It is to be attended by representatives of international organizations, rice specialists and governmental representatives, and will define the policies to be followed to implement the above-mentioned recommendations, especially in the drawing up of terms of reference for technical assistance to be provided by UNIDO in the following years. Preparatory work for this meeting will be undertaken in 1970.

Priority A

	Staff (in n/a)	Meetings (US\$)	Consultants (US\$)
1969	-	-	-
1970	5	-	5,000 ^{a/}
1971	8	25,000 ^{b/}	-

^{a/} Including \$2,000 from the General Trust Fund of UNIDO.

^{b/} Including \$20,000 from UNDP/TA funds.

Food industry series (6.02.07)

34. Since 1967 UNIDO has been preparing a series of documents on modern processing techniques in the food industry. The following are titles of documents already published or under preparation:

- Industrial processing of citrus fruit;
- The use of centri-therm expanding-flow and forced-circulation plate evaporators in the food and biochemical industry;
- Water-saving techniques in food processing plants;
- Packaging and packaging materials with special reference to the packaging of food;
- Production of foodstuffs and protein enriched mixtures and concentrates;
- Modern sterilization methods for milk processing;
- Starch production in developing countries; and
- Problems of grain processing in developing countries.

For 1970, papers on the following subjects are scheduled:

- Caster cake industrialization;
- Meat processing industry;
- Cassava processing; and
- New sources of protein.

Four new titles will be selected for the elaboration of papers in 1971 on subjects of special interest for developing countries.

Priority A

	Staff (I.A.S./R)	Consultants (FTE)
1969	2	1,000
1970	5	3,000 ^a
1971	5	4,000

^a Including \$1,000 from the General Trust Fund of UNIDO.

Expert group meeting on processing selected tropical fruits and vegetables for export to premium markets (6.02.08)

35. UNIDO has received a number of requests for technical assistance in the production of tropical fruits and vegetables for export and proposes to hold a meeting on this subject. The meeting will be held in co-operation with FAO,

other United Nations agencies concerned with export problems, and European institutes dealing with marketing and industrialization of tropical fruits and vegetables.

36. The group will examine the problems related to the establishment of processing industries for tropical fruits and vegetables in order to work out guidelines concerning the engineering, quality, standards, costs and other conditions needed for the acceptance of such products on the markets of developed countries. On the basis of discussions of the papers submitted to this meeting, the group will make specific recommendations that will be disseminated among developing countries in 1972.

	<u>Priority A</u>		
	<u>Staff</u> (in m/m)	<u>Meetings</u> (US\$)	<u>Consultants</u> (US\$)
1969	-	-	-
1970	-	-	-
1971	5	10,000	7,000

**Expert Group Meeting on Scientific Approaches to the Problems
of Preservation and Refrigeration of Food in Developing Countries (6.02.09)**

37. In order to review the advanced techniques in this field and to suggest adaptations to the conditions in developing countries, UNIDO, early in 1969, held an expert group meeting in Vienna at which recommendations were worked out. They will be disseminated among the developing countries in 1970.

	<u>Priority A</u>		
	<u>Staff</u> (in m/m)	<u>Meetings</u> (US\$)	<u>Consultants</u> (US\$)
1969	1	6,572	500
1970	-	-	-
1971	-	-	-

Wood processing (6.03)

38. In this sector, the objectives of UNIDO are modernisation and establishment of medium to large-scale industries for the manufacture of: furniture; modular components for prefabricated wooden houses; wooden components used in the manufacture of agricultural equipment; matches; and particle boards

from bagasse and other agricultural wastes. To accomplish these objectives, special attention is being paid to the selection of appropriate machinery, production methods, quality control, marketing, and to the utilisation of indigenous forestry resources and agricultural wastes.

39. Under the agreement between FAO and UNIDO of July 1969, the programme of supporting activities described below is being carried out in co-ordination with FAO.

**Study Group on Production Techniques in Wooden Houses
under Conditions Prevailing in Developing Countries (6.03.01)**

40. According to the recommendation adopted at the Athens Symposium on Industrial Development (ID/11, para. 314), UNIDO, in co-operation with FAO and UNCHRP, convened a study group in November 1969 to evaluate the role of wood products as building materials under conditions prevailing in developing countries (ID/B/26, para. 94). Studies commissioned by UNIDO in 1969 were reviewed at the meeting and it is expected that the guidelines formulated at the meeting will contribute towards the development of wood processing industries in developing countries. The proceedings of the meeting will be published and distributed in 1971.

Priority A

	<u>Staff (in m/m)</u>	<u>Meetings (US\$)</u>	<u>Consultants (US\$)</u>
1969	3	12,000	3,500
1970	-	-	-
1971	-	-	-

**Expert working group on production of particle boards
from agricultural wastes (6.03.02)**

41. In accordance with the recommendations of the Athens Symposium (ID/11 para. 314(4)), and in order to assist developing countries to find substitutes for wood, UNIDO proposes to hold a working group in 1970 to discuss the economic and technical problems of production of particle boards from agricultural wastes such as coconut fibres, palm fronds, reeds, bagasse, flax and hemp (ID/B/44, para. 179). The working group, to which representatives from FAO will be invited, will take into consideration the findings of UNIDO experts who carried out technical assistance missions and other studies in the field.

The report, to be published and circulated in 1971, is expected to recommend appropriate machinery, production methods, quality control and marketing methods to ensure the successful operation of this industry in developing countries.

	<u>Staff</u> <u>(in m/m)</u>	<u>Meetings</u> <u>(US\$)</u>	<u>Consultants</u> <u>(US\$)</u>	<u>Priority A</u>
1969	1	-	-	
1970	4	5,000	5,000 ^{a/}	
1971	-	-	-	

a/ Including \$2,000 from the General Trust Fund of UNIDO.

Seminar on furniture and other secondary wood processing
industries in developing countries (6.03.03)

42. The considerable interest on the part of developing countries in this sector is reflected by the great number of technical assistance requests received by UNIDO. Following up the 1970 working group on production of particle boards from agricultural wastes (ID/B/44, para. 179), UNIDO proposes to convene a seminar for one month in 1971 on joinery, furniture and other secondary wood processing industries (ID/B/44, para. 184). About 15 to 25 economists and managers of wood processing industries will participate. This seminar will be held in a furniture industry centre in Europe to enable participants to visit modern mills. Problems of upgrading existing production facilities in developing countries will be investigated. Papers will be presented on production planning, design, training, maintenance, quality control and other problems. Although the main orientation of the seminar will be towards the furniture and joinery industries, problems faced by other secondary wood processing industries, such as manufacture of mouldings and parquet for export and wooden animal-drawn vehicles for local needs, will also be discussed. The proceedings will be published and distributed in 1972.

	<u>Staff</u> <u>(in m/m)</u>	<u>Meetings</u> <u>(US\$)</u>	<u>Consultants</u> <u>(US\$)</u>	<u>Priority A</u>
1969	-	-	1,000	
1970	2	-	-	
1971	3	15,000 ^{a/}	9,000	

^{a/} UNDP/TA funds.

	<u>Staff</u> <u>(in m/m)</u>	<u>Meetings</u> <u>(US\$)</u>	<u>Consultants</u> <u>(US\$)</u>	<u>Priority B</u>
1970	-	-	5,000	

Selection of woodworking machines (6.03.04)

Expert group meeting on the selection of woodworking machinery

43. UNIDO proposes to convene an expert group meeting for two weeks in Vienna in 1971 to discuss problems connected with the selection of woodworking machinery for wood processing plants in order to recommend the technological processes and machinery best suited to conditions in developing countries. Ten experts, either producers of equipment or production managers of plants in developing countries, will be invited to participate.

	<u>Staff</u> <u>(in m/m)</u>	<u>Meetings</u> <u>(US\$)</u>	<u>Consultants</u> <u>(US\$)</u>	<u>Priority A</u>
1969	-	-	-	
1970	4	-	-	
1971	4	8,000 ^{a/}	5,000 ^{a/}	

^{a/} UNDP/TA funds.

International catalogue of woodworking machinery

44. As indicated in the 1970 programme (ID/B/44, para. 183), UNIDO noted the growing need in developing countries for an international catalogue of woodworking machinery which would assist in development planning and in the preparation of tenders. A catalogue of this type was published in 1965 by eight European countries; it is proposed, subject to availability of funds, to prepare a new catalogue which will also cover certain developing countries producing such equipment, as well as some of the developed countries not included in the 1965 catalogue. An addendum to the catalogue will be published annually, starting in 1972, and will include new machines manufactured in both developed and developing countries.

	<u>Staff</u> <u>(in m/m)</u>	<u>Meetings</u> <u>(US\$)</u>	<u>Consultants</u> <u>(US\$)</u>	<u>Priority B</u>
1970	-	-	3,000	

Leather and leather products (6.04)

45. The objectives of the technical assistance programme of UNIDO in this sector are introduction and further development of modern production methods for semi-processed and finished leathers and assistance in the manufacture and marketing of properly designed leather footwear and leather goods, with a view to the possibilities of export. The projects deal with the preparation, conservation and utilization of local hides and skins, including reptile skins.

46. Technical assistance is also given in establishing industrial plants for the manufacture of leather, leather footwear and leather goods. Work in this area is planned and executed in co-ordination with FAO, in accordance with the agreement between UNIDO and FAO.

The development of the leather and leather products
industries in developing countries (6.04.01)

Preparatory expert group meeting

47. UNIDO will convene in early 1970 a preparatory expert group meeting in Vienna (ID/B/44, para. 185) to discuss problems relative to the further development of the hides and skins, leather footwear and leather goods industries in developing countries and to prepare the leather seminar planned for 1970.

48. The following studies have been commissioned to serve as the basis for discussion at the preparatory meeting in 1970 and to form part of the documentation for the seminar in 1970 (originally programmed for 1971; see ID/B/44, para. 185, 186):

(a) In 1969 -

Study on the elaboration and implementation of programmes for improving and marketing hides and skins in developing countries;

Study on the industrial production of semi-processed chrome leather from hides and skins;

Study on tanning and industrial production of reptile leather;

Study on the establishment of a leather-footwear manufacturing plant of a standard type, including the elaboration of guidelines for the footwear industry.

(b) In 1970 -

Study on the utilization of by-products from the hides and skins, leather and leather products industries;

The elaboration of universal guidelines for installations, machinery, output, capacity, cost at different stages of processing etc.

49. In 1971, it is proposed to commission a study on the role of automation in industrial leather production and its impact on the development of the leather industry. In addition to providing information for the numerous field projects in this sector, the study will be discussed at an expert group meeting programmed for 1972, which will consider the development of the leather industry within a given region, probably Latin America.

Leather seminar

50. An interregional seminar for some 25 participants, originally planned for 1971 (ID/B/44, para. 185), is proposed for two weeks in 1970 to deal with the development of industrial leather production as well as production and marketing of footwear and of leather goods in developing countries. The seminar, which will probably be held in Vienna, will be planned and executed in co-operation with FAO and ILO and will provide information for existing and future field projects in the leather sector.

Longer range programme

51. In continuation of the seminar to be held in 1970, UNIDO is planning to convene in 1972 regional meetings on two subjects:

The development of the leather industry in a given region with reference to the role of automation in industrial production of leather;

The development of the footwear manufacturing and the leather goods manufacturing industries in a given region, with emphasis on design and marketing.

52. It is expected that the first meeting will be held in Latin America and the second in Asia. This programme, which is related to the operational activities, is designed to provide the appropriate type of technical assistance needed by industry.

	<u>Staff^{a/}</u> <u>(in m/m)</u>	<u>Meetings^{a/}</u> <u>(US\$)</u>	<u>Consultants^{a/}</u> <u>(US\$)</u>	<u>Priority A^{a/}</u>
1969	2	-	5,000	
1970	8	26,000 ^{b/}	3,000	
1971	2	-	1,500	

a/ Figures refer to all activities in project component 6.04.01.

b/ US\$20,000 from UNDP/TA funds and US\$6,000 from the General Trust Fund of UNIDO.

PRINTED PUBLICATIONS

		<u>Languages</u>	<u>Cost</u> <u>(US\$)</u>
<u>Publications issued in 1969</u>			
	<u>Food industry studies</u>		
ID/SER.I/1	The use of centri-therm expanding-flow and forced-circulation plate evaporators in the food and biochemical industries	E F S	
ID/SER.I/2	Industrial processing of citrus fruit	E F S	
ID/SER.I/3	Water-saving techniques in food-processing plants	E	
ID/SER.I/4	Modern sterilization methods for milk processing	E S	
ID/SER.I/5	Packaging and packaging materials with special reference to the packaging of food	E S	
			<hr/> 7,468
<u>1970 publications programme</u>			
ID/29	Report of expert group meeting on problems of preservation and refrigeration of food in developing countries (Vienna, February 1969)	E F S	
ID/33	Report of expert group meeting on processing problems and selection of machinery in the woollen and worsted industry (Bursa, Turkey, 1968)	E	
	<u>Food industry studies</u>		
ID/SER.I/3	Water-saving techniques in food-processing plants	F S	
ID/SER.I/4	Modern sterilization methods for milk processing	F	
ID/SER.I/5	Packaging and packaging materials with special reference to the packaging of food	F	



12.12.73

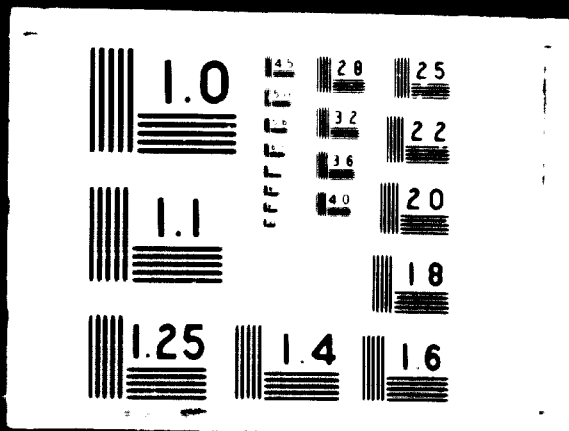
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PRINTED PUBLICATIONS (cont'd)

	<u>Languages</u>	<u>Cost</u> (US\$)
<u>Food industry studies (cont'd)</u>		
ID/SER.I/6	Production of feedstuffs and protein-enriched mixtures and concentrates (Zvonimir)	E F S
-	Manual on the establishment of knitting industry in developing countries	E
		13,700

Forecast of 1971 publications programme

Food industry studies

Starch production in developing countries (Dahlberg)	E F S
Meat processing	E F S
Report: Expert group meeting on the production of fish-protein concentrate (Rabat, December 1969)	E F S
Report: Expert group on soybean processing and use (Peoria, Illinois, November 1969)	E F S
Report: Expert group on quality control in the textile industry (June 1970)	E F S
Proceedings: Study group on production techniques in wooden houses (Vienna, November 1969)	E F S
Report: Study group on production panels from agricultural wastes (Vienna, 1970)	E F S
Proceedings: Seminar on integrated food processing (Novisad, November 1969)	E F S
Report: Expert group on technological development in food-processing equipment (Moscow, 1970)	E
Report: Expert group on the selection of machinery (dyeing and finishing industry - knitting industry) (Vienna, 1970)	E F S

17,800

Note: In the computation of the printing costs a standard formula was applied on averaging the cost of printing inside UNIDO and by an outside firm. The standard formula is used to provide for comparability of the cost of printing.

Table 5a/

Expenditures for supporting activities in 1969

Project components	UNIDO Regular Budget				UNOP/TA	UNIDO General Trust Fund	Total ^{b/}
	(1) Staff n/a	(2) Meeting US\$	(3) Consultants US\$	(4) Publications US\$			
6-01-01	1	-	8,000		-	-	8,000
6-01-02	1	-	1,000		-	-	1,000
6-02-01	2	10,000	7,000		-	-	17,000
6-02-02	3	11,200	4,200		-	-	15,400
6-02-03	1	-	600		-	-	600
6-02-04	1	-	-		-	-	-
6-02-05	1	-	-		-	-	-
6-02-07	2	-	1,000		-	-	1,000
6-02-09	1	6,572	500		-	-	7,072
6-03-01	3	12,400	3,500		-	-	15,900
6-03-02	1	-	-		-	-	-
6-03-03	-	-	1,000		-	-	1,000
6-04-01	2	-	5,000		-	-	5,000
Total	19	40,172	31,800	7,468	-	-	79,440

a/ Expenditures have been calculated on the basis of actual expenditures up to 30 September 1969, projected to the end of the year.

b/ The totals in column 7 do not include the cost of publications. Thus the total of the items in this column does not correspond to the last line of the column.

Table 6

Estimated expenditures for supporting activities in 1970

Project components	UNIDO Regular Budget				UNDP/TA	UNIDO General Trust Fund	Total ^{a/}
	(1) Staff m/m	(2) Meetings US\$	(3) Consultants US\$	(4) Publications US\$			
Priority A							
6-01-02	2	5,000	4,000		-	-	9,000
6-01-03	4	-	5,000		-	-	5,000
6-02-01	1	-	-		-	-	-
6-02-02	2	-	-		-	-	-
6-02-03	5	-	3,000		-	19,000	22,000
6-02-06	5	-	3,000		-	2,000	5,000
6-02-07	5	-	2,000		-	1,000	3,000
6-03-02	4	5,000	3,000		-	2,000	10,000
6-03-03	2	-	-		-	-	-
6-03-04	4	-	-		-	-	-
6-04-01	8	-	3,000		20,000	6,000	29,000
Total	42	10,000	23,000	13,700	20,000	30,000	96,700
Priority B							
6-01-01	2	6,000	-		-	-	6,000
6-02-04	2	5,000	7,000		-	-	12,000
6-02-05	3	5,000	7,000		-	-	12,000
6-03-03	-	-	5,000		-	-	5,000
6-03-04	-	-	3,000		-	-	3,000
Total	7	16,000	22,000	-	-	-	38,000

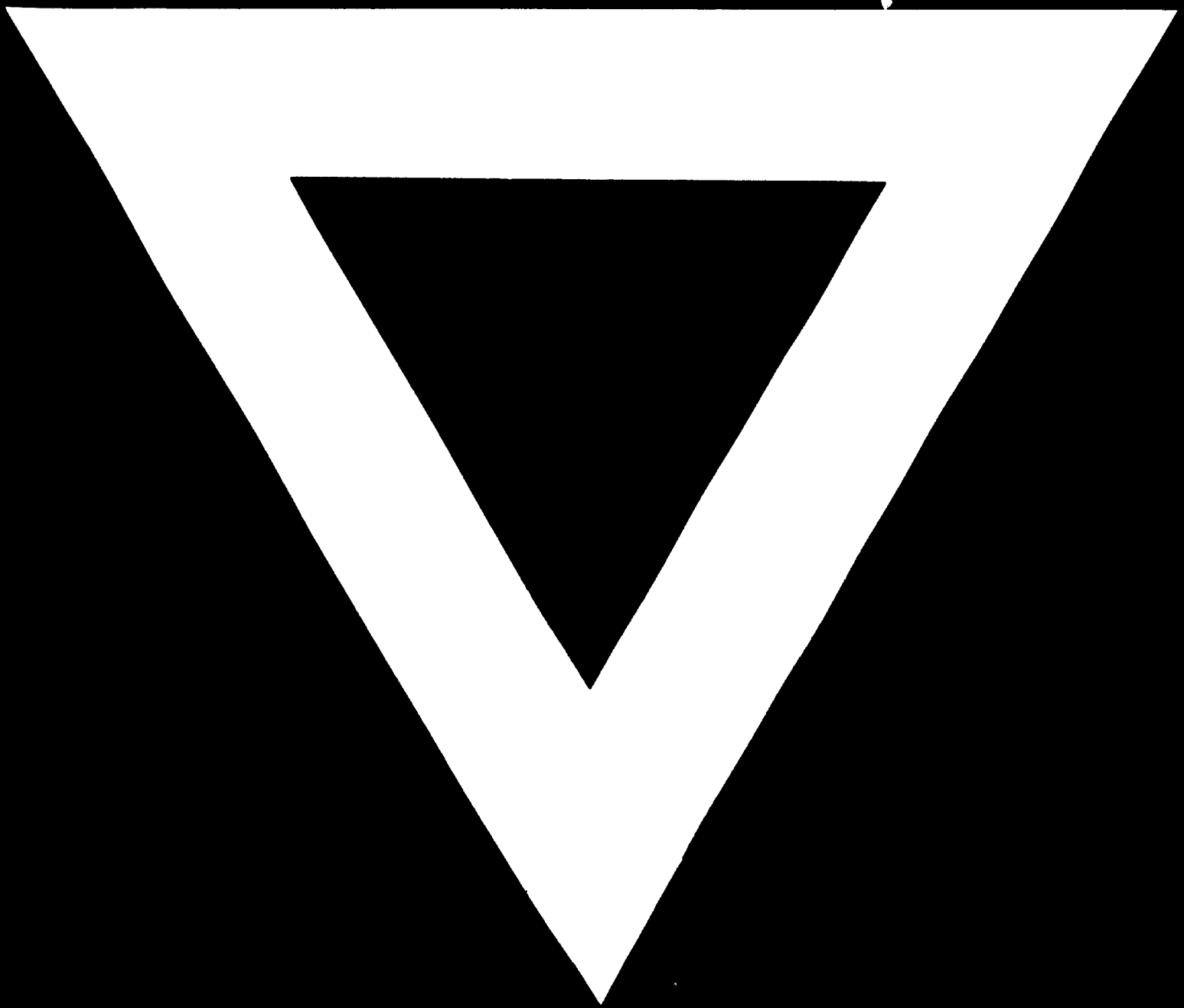
^{a/} The totals in column 7 do not include the cost of publications. Thus the total of the items in this column does not correspond to the last line of the column.

Table 7

Estimated expenditures for supporting activities in 1971

Project components	UNIDO Regular Budget				UNDP/TA	UNIDO General Trust Fund	Total ^{a/}
	(1) Staff m/m	(2) Meetings US\$	(3) Consultants US\$	(4) Publications US\$	(5) US\$	(6) US\$	(7) US\$
Priority A							
6-01-02	2	5,000	5,000		-	-	10,000
6-01-03	4	-	-		20,000	-	20,000
6-02-01	1	-	-		-	-	-
6-02-02	1	-	-		-	-	-
6-02-03	3	-	3,000		-	19,000	22,000
6-02-06	8	5,000	-		20,000	-	25,000
6-02-07	5	-	4,000		-	-	4,000
6-02-08	5	10,000	7,000		-	-	17,000
6-03-03	3	-	-		24,000	-	24,000
6-03-04	4	-	-		13,000	-	13,000
6-04-01	2	-	1,500		-	-	1,500
Total	38	20,000	20,500	17,800	77,000	19,000	154,300
Priority B							
6-01-01	1	-	-		-	-	-
6-02-04	2	-	-		-	-	-
6-02-05	2	-	-		-	-	-
Total	5	-	-	-	-	-	-

^{a/} The totals in column 7 do not include the cost of publications. Thus the total of the items in this column does not correspond to the last line of the column.



12 . 12 . 73