



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

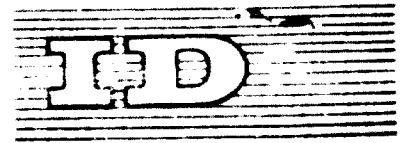
CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org



D00123



United Nations Industrial Development Organization

Distr.
LIMITED

ID/WG.38/4
24 April 1969

ORIGINAL: ENGLISH

Meeting of Project Managers and Directors
of Selected UNIDO-UNDP/SF Projects

Vienna, 2 - 6 June 1969

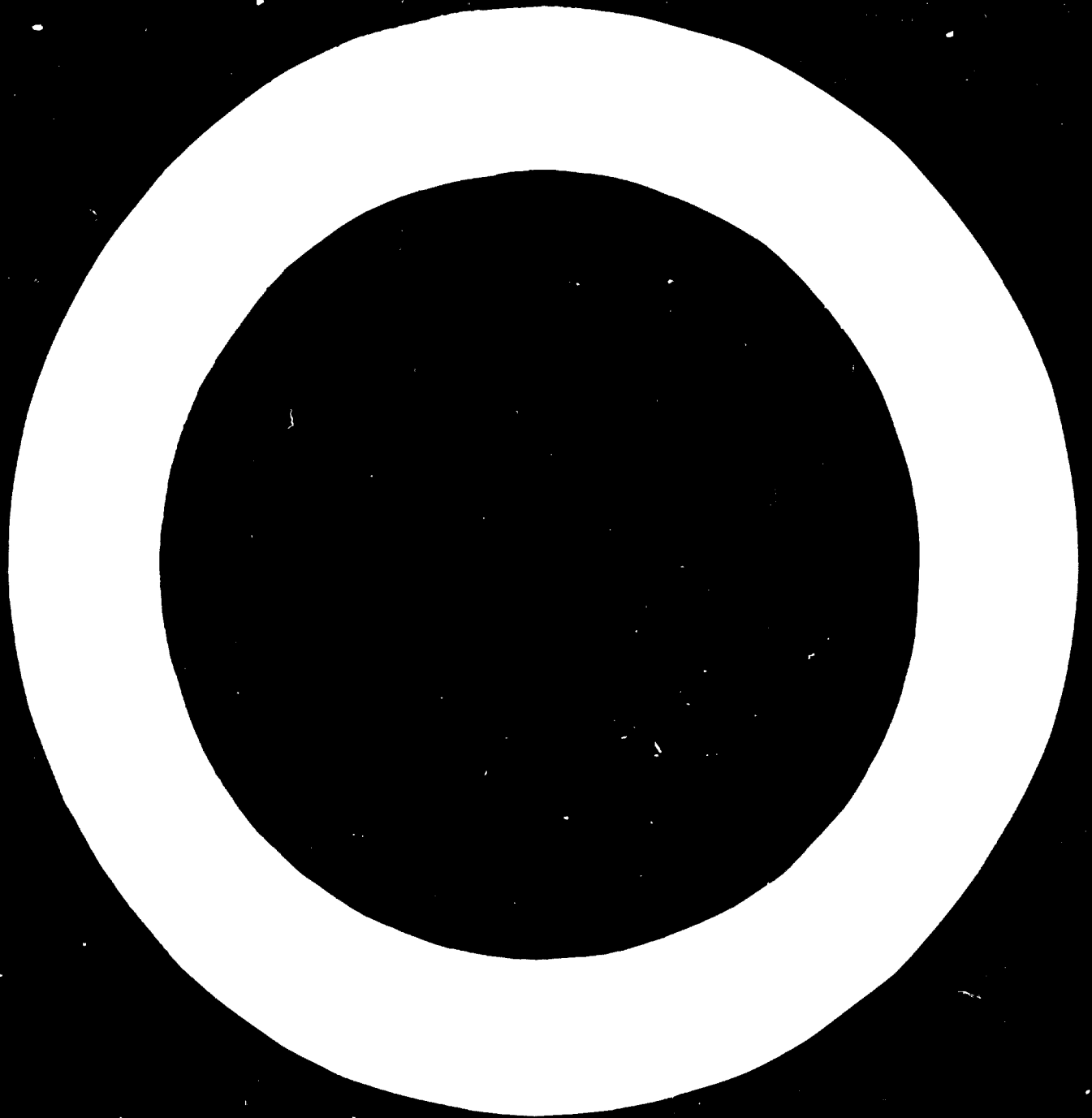
BASIC INFORMATION ON
THE PROJECTS REPRESENTED AT THE MEETING ^{1/}

presented by
the Secretariat of UNIDO

^{1/} This document has been reproduced without formal editing.

id.69-2108

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.



CENTRE FOR INDUSTRIAL STUDIES FOR THE MAGHREB
MAGHREB

1. Purpose

Establishing the Centre for Industrial Studies for the Maghreb and assisting in its initial operation.

2. Functions

- General industrialization surveys and specific feasibility studies, with priority being given to studies affecting two or more countries; areas of competence will be market surveys, integration of industries, comparative manufacturing and import cost studies, location surveys and general consultation;
- Advisory services to governments and industries of the respective countries;
- Training of officials (already employed, with financing provided by the governments);
- Providing information and data obtained in the course of the work of the Centre as well as relevant international studies and publications;
- Studies relating to standardization and quality control.

3. Scope of the project

Plan of Operation signed in October 1967

Duration: 5 years

Total UNDP(SF) allocation	US\$ 1,454,900
Experts (including short-term)	994,000
Fellowships	50,000
Equipment	50,000
Subcontracts	150,000
Miscellaneous	99,600
Executing agency	143,400

4. Experts

Project manager	6 years	Mr. Klinghoffer
Export promotion and marketing	5 years	-
Industrial engineer	5 years	-
Standardization	4 years	Mr. Rasko
Documentation	4 years	-

5. Short-term experts

Pulp and paper
Phosphatic fertilizers
Nitrogenous fertilizers
Fertilizers financing
Fertilizers marketing
Pharmaceuticals
Power station
Water desalination

Mr. Gascoigne
Mr. Shantz
Mr. Klinghoffer
-
-
Mr. Blomstedt approved
Mr. Murcatroyed approved
-

6. Work done

Pre-investment studies (fertilizers, utilization of esparto grass), agreement between the Governments of Libya and Tunisia on cooperation in fertilizers production.

CENTRE FOR INDUSTRIAL AND TECHNOLOGICAL STUDIES

ALGERIA

1. Purpose

Assisting the Government in creating a Centre for industrial and technological studies. The Centre is an autonomous body and functions under the general direction of the Ministry of Industry and Energy.

2. Functions

- Evaluating existing and future feasibility studies of a wide range of industrial projects;
- Conducting additional investigations, where necessary, to complement feasibility studies already undertaken;
- Advising the Government on the priorities of feasible projects and on actions to be taken to implement them;
- Assisting the Government with studies of further industrial projects. This will include preparation of technical specifications and contracts as well as advice on implementing the projects under review. In addition the Centre will serve as counterpart agency of the Algerian Government for the Centre of Industrial Studies for the Maghreb in Tripoli, Libya, a project being supported by the UNDP (Special Fund).
- The work of the Centre will concentrate on studies expected to lead to early investment in plant and equipment.

3. Scope of the project

Plan of Operation signed on 31 January 1969

Duration: 3 years

Total UNDP(SF) allocation:	US\$ 820,700
Experts	467,400
Fellowships	31,000
Equipment	13,000
Subcontracts	200,000
Miscellaneous	28,000
Executing agency	81,300

4. Experts

	man/months	
Project manager	38	Mr. Dzierzynski
Industrial engineer	36	
Industrial economist	36	Mr. Elass
Short-term consultants	118	
Industrial accountant		Mr. Platon
Fruits/vegetables canning expert		Mr. Svabensky

5. Work done

Preparation of "internal six months' programme of work". Elaboration of a work plan for the whole life-span of the Special Fund project in close cooperation with governmental agencies, professional organizations and indigenous industrial enterprises. Running-in period. Further recruitment.

INSTITUTE OF TECHNOLOGICAL RESEARCH (PHASE II)

COLOMBIA

1. Purpose

To consolidate the Institute of Technological Research and expand its activities in the sectors of wood processing, agriculture, ferrous and non-ferrous metallurgy, mechanical and chemical processing industries and the establishment and management of industrial estates. The Institute was originally conceived in 1955 as a section of the Bank for Agricultural, Industrial and Mineral Credit. It was converted into an autonomous body in 1958. It has been assisted by the Special Fund since 1961.

2. Functions

- Provision of technical advisory assistance in the improvement and development of operating techniques for better utilization of raw materials and production equipment.
- Assistance to small and medium-scale industries and public and private agencies to attain higher productivity through establishment of efficient quality control procedures and systems.
- Assistance in equipment design, plant lay-out and provision of processing and engineering know-how to improve the quality of production.
- Undertaking of applied research on new or available raw materials with the purpose of developing new products in the sectors of industry mentioned above.
- Undertaking of market, technical and techno-economic studies of new industrial ventures or new products.
- Provision through plant visits, seminars, technical meetings and publication of existing knowledge and dissemination of information not otherwise available.
- Studies, promotional work and investigations leading to the establishment of industrial estates throughout the country.
- Expansion and diversification of the testing facilities to service a wider portion of the industry.

./.

3. Scope of the Project

Plan of operation for Phase II signed in February 1969

Duration: four years

Total UNDP(SF) allocation, Phase II: US\$ 761,900

Experts	440,400
Fellowships	55,000
Equipment	155,000
Miscellaneous	34,900
Executing agency and SF	76,600

4. Experts

	<u>Man-months</u>	
Project Manager	48	Mr. Richardson
Micro-economist	18	-
Industrial Estates	12	Mr. Percival
Food Technologists	24	Mr. Templeton Mr. Lopez-Tarajano
Production Engineer	36	Mr. Manzitti
Tool Engineer	12	Mr. Merolla
Metallurgical Engineer	24	Mr. Shand
Food Processing Expert	12	-
Chemical Process Expert	6	-
Technical Consultants:	36	
Marketing Specialist		Mr. Hoskins
Coke and Coal Specialist		Mr. Sen

5. Work done (1958-1967)

Eighteen techno-economic studies of opportunities for the manufacture of new products; 60 Investigations of the industrial utilization of up-grading of agricultural products; 14 Technical investigations of subjects of national importance; 20 Studies in agricultural chemistry; 60 projects on the evaluation of quality of important groups of food, agricultural and industrial products; 450 consultations and 1,260 technical visits to small and medium industries; 9,100 analyses of samples in seven years, at the request of companies and Government agencies; 1,422 analyses of soils, pesticides and fertilizers.

RESEARCH CENTRE FOR INDUSTRIAL AND TRADE DEVELOPMENT

IRAN

1. Purpose

Strengthening the Research Centre for Industrial and Trade Development, which was established in 1964 by the Ministry of Economy.

2. Functions

- Formulating national and regional industrial and mining programmes;
- Preparing industrial studies by sectors in the light of which a list of priorities of industrial and mining projects may be prepared;
- Preparing projects for the public sector with due regard to their technical as well as economic feasibility;
- Preparing pre-investment industrial data and industrial projects for the private sector;
- Evaluating projects for the private sector;
- Evaluating feasibility studies as may be requested by or channelled through the Government from time to time
- Undertaking economic studies and other studies aimed at the formulation of policy measures in the field of industry, mining and trade.

3. Scope of the project

Plan of Operation signed in January 1968

Duration: 5 years

Total UNDP(SF) allocation	US\$ 1,058,900
Experts	362,100
Fellowships	75,000
Equipment	50,000
Subcontracts	447,700
Miscellaneous	19,200
Executing Agency	104,900

4. Experts

Project manager	5 years	Mr. Rao
Industrial programmer	3 years	Mr. Abu-El-Haj
Mechanical engineer	3½ years	Mr. Semsch
Electrical engineer	2 years	Mr. Chantrill
Chemical engineer	3 years	Mr. Prince - left

/...

5. Work done

Participation in manpower projections, revision of input-output tables, sectoral study on chemical industry, demand assessments (heavy chemicals, fertilizers, cement, steel, sanitary ceramics, etc.), pre-investment studies of various depths (drum switches, lead and zinc production, dyestuffs, spark plugs, bolts, nuts, chemical machinery, etc.), evaluation of offers (paper mill, polyphosphate, automobile, china ware, electric fans, calcium carbide, industrial paints, etc.), advice on licensing policies etc.

CENTRE FOR INDUSTRIAL DEVELOPMENT

JORDAN

1. Purpose

Establishing the Centre for Industrial Development and assisting in its initial operation.

2. Functions

- Advising and assisting the Government in the preparation of a programme of industrial development;
- Keeping under review the order of industrial priorities and advising the Government on its industrial policies;
- Conducting feasibility studies for specific projects as well as lending advice, as requested, to the Jordan Development Bank on all matters connected with industrial development;
- Establishing and improving standards and quality control of products, particularly with a view to increasing exports;
- Formulating and evaluating industrial projects in light of the findings of industrial studies, including the setting up of industrial estates;
- Training and raising skills of managers, functional specialists and supervisors in existing industrial enterprises and for enterprises which may be set up under economic development plans;
- Conducting studies into industrial management problems in the country in order to be able to develop the full understanding and practice of modern industrial management;
- Rendering consultancy services and advice to industrial enterprises in order to solve their problems and improve their productivity;
- Assisting and advising the responsible office in the Ministry of National Economy on the licensing of industrial establishments as requested by the Government.

3. Scope of the project

Plan of Operation signed in March 1968

Duration: 4 years

Total UNDP (EP) allocation	US\$ 1,153,100
Experts	744,200
Fellowships	30,000
Equipment	70,000
Subcontracts	150,000
Miscellaneous	44,600
Executing agency	114,300

4. Experts

Project manager	48	Mr. Reicher
Ind. programmer/project evaluator	39	Mr. Feraldis
Chemical engineer	33	-
Export promotion	36	Mr. Fahmy
Standardization	24	Mr. Mehrotra
Senior adviser on management dev.	42 (ILO)	Mr. Stalker
Mechanical engineer	36	"
Production engineer	12	" Mr. Milne
Marketing and sales	30	" Mr. Warburton
Cost accountant	36	" Mr. Wedde

5. Short-term experts

Fertilizer adviser	Mr. Aalto
Ceramics adviser	Mr. Engelthaler
Printing adviser	Mr. Barnard
Leather tanning technologist	-
Metal transforming industry	-

6. Work done

Pre-investment studies (fertilizers, wall tiles, sanitary ware, dinner ware), market research (carton and boards, polystyrene products, etc.), draft standards law and preparator, work for National Standards Organization, draft investment promotion law, visiting many factories and advising on managerial problems (mainly ILO experts), training (ILO experts).

INDUSTRIAL STUDIES AND DEVELOPMENT CENTRE

SAUDI ARABIA

1. Purpose

Establishing the Industrial Studies and Development Centre and assisting in its initial operation.

2. Functions

- Providing the responsible authorities with advice in the preparation of the country's industrial policy and programme and on the coordination of their activities in this respect and with assistance in carrying out or commissioning industrial feasibility studies;
- Advising on the establishment of new industries as well as on the financing and implementation of such industries;
- Assisting in the planning and establishment of industrial estates and their management and operation.

3. Scope of the project

Plan of Operation signed in February 1966.

Duration: 3 years (adjusted to 4 years)

Total UNDP(SF) allocation	US\$ 634,500
Experts	476,800
Fellowships	12,000
Equipment	70,000
Miscellaneous	7,000
Executing agency	62,200

4. Experts

Project manager	4 years	Mr. Osman
Industrial economist	2 years	Mr. Mohnot
Industrial engineer	2 years	Mr. Majumdar
Chemical engineer	2 years	Mr. Peekin
Industrial estates expert	3 years	Mr. Sharma
Information and documentation expert	2 years	Mr. Zachariassen
Industrial management and organization expert	1 year	Mr. Kerr
Building materials expert	1 year	-

5. Work done

Survey of industrial establishments, statute for industrial registration, assistance in establishing an industrial estate in Jeddah, some feasibility studies under preparation.

INDUSTRIAL RESEARCH INSTITUTE

SUDAN

1. Purpose

To assist the Government in establishing an Industrial Research Institute designed to aid and promote the industrial and economic development of the country through the application of industrial research and technology.

2. Functions

- Investment feasibility studies;
- Standards specifications and testing and quality control;
- Costing of production;
- Technical advisory and trouble-shooting services;
- Technical information and statistical services;
- Technical training courses.

3. Scope of the Project

Plan of operation signed in February 1965.

Adjustment Advice No. 2 signed in September 1968.

Duration: five years

Total UNDP(SF) allocations	US\$ 754,100
Experts	435,200
Fellowships	66,200
Equipment	150,000
Miscellaneous	28,000
Executing agency	74,700

4. Experts

	<u>Man-months</u>	
Project Manager	64	Mr. Godwin Mr. El Halfawy
Industrial Management Specialist	24	Mr. Lindstrom
Production Engineer	36	Mr. Smith
Chemical Engineer	24	Mr. Marek Mr. Kolchin

./.

	<u>Man-months</u>	
Mechanical Testing Engineer	12	Mr. Shahwan
Analytical Chemist	31	Mr. Saper Mr. El Ghazolli
Industrial Cost Accountant	32	Mr. Rodrigues Mr. Hillesley

5. Work done

Pre-investment studies (nitrogen fertilizer, sugar plantation and factory, kenaf plantation and factory, tannery, paper mill and papyrus plantation, ceramics, groundnut oil mill, starch and glucose, etc.); advisory services to factories; chemical analysis; standards prepared; training courses, etc.

INDUSTRIAL STUDIES AND DEVELOPMENT CENTRE

TANZANIA

1. Purpose

Strengthening and further assisting the Industrial Studies and Development Centre, which was established in 1966 with UNDP(SF) assistance (Phase I).

2. Functions

- Advising on industrial policy and organization;
- Assisting in investigations for better utilization of natural resources;
- Undertaking feasibility studies and assisting in implementation of projects;
- Studying possibilities of import substitution;
- Providing extension services;
- Advising on regional aspects

3. Scope of the project (Phase I + Phase II)

Plan of Operation signed in February 1966 (Phase I)

Supplement for Phase II under preparation

Duration: 3 years + 2 years

Total UNDP(SF) allocation	US\$ 945,050
Experts	734,950
Fellowships	34,700
Equipment	27,000
Subcontracts	11,700
Miscellaneous	34,100
Executing Agency	92,700

4. Experts:

Project manager	5 years	Mr. Rusck	Mr. Birch
Industrial engineer	5 years	Mr. Faroukhi	Mr. Mosgard
Chemical engineer	5 years	Mr. Iyer	Mr. Iyer
Industrial economist	5 years	Mr. Asplund	Mr. Hocevar
Structural Engineer	5 years	Mr. Lahti	-
Food technologist	5 years	Mr. El-Mohandes	Mr. El-Mohandes
Textile engineer	2 years	Not applicable	-
Industrial engineer	2 years	" "	-

5. Work done

Advising on industrial policy (ownership and management, licence application, price policy, tariffs, industrial statistics, organization of the industrial division, etc.), participation in the Second Five-Year Plan, "A Short Guide to Investors", and numerous pre-investment studies which generated investment decisions of approximately \$40 million.

5. Short-term experts

Sulphuric acid -

Fluorhydric acid -

Sodium tripolyphosphate/
dicalcium phosphate -

6. Work done

Evaluation of existing studies on sulphuric acid production, general study of imports and exports of Tunisia, study on local manufacture of spare parts, study of packing materials, "Information Bulletin" issued.

NATIONAL CENTRE FOR INDUSTRIAL STUDIES

TUNISIA

1. Purpose

Establishing the National Centre for Industrial Studies and assisting in its initial operation.

2. Functions

- Advising on all matters concerning industrial development and evaluation of the progress of the current plan of industrialization;
- Undertaking detailed technical and economic studies of specific industrial projects, including those foreseen in the development plan;
- Advising on the feasibility of establishing new industries as well as on their financing and implementation;
- Providing technical and economic advice to existing industrial enterprises in the public or private sector;
- Diffusing information and data collected by the Centre, as well as studies and foreign publications which may be of interest for the users of these services.

3. Scope of the project

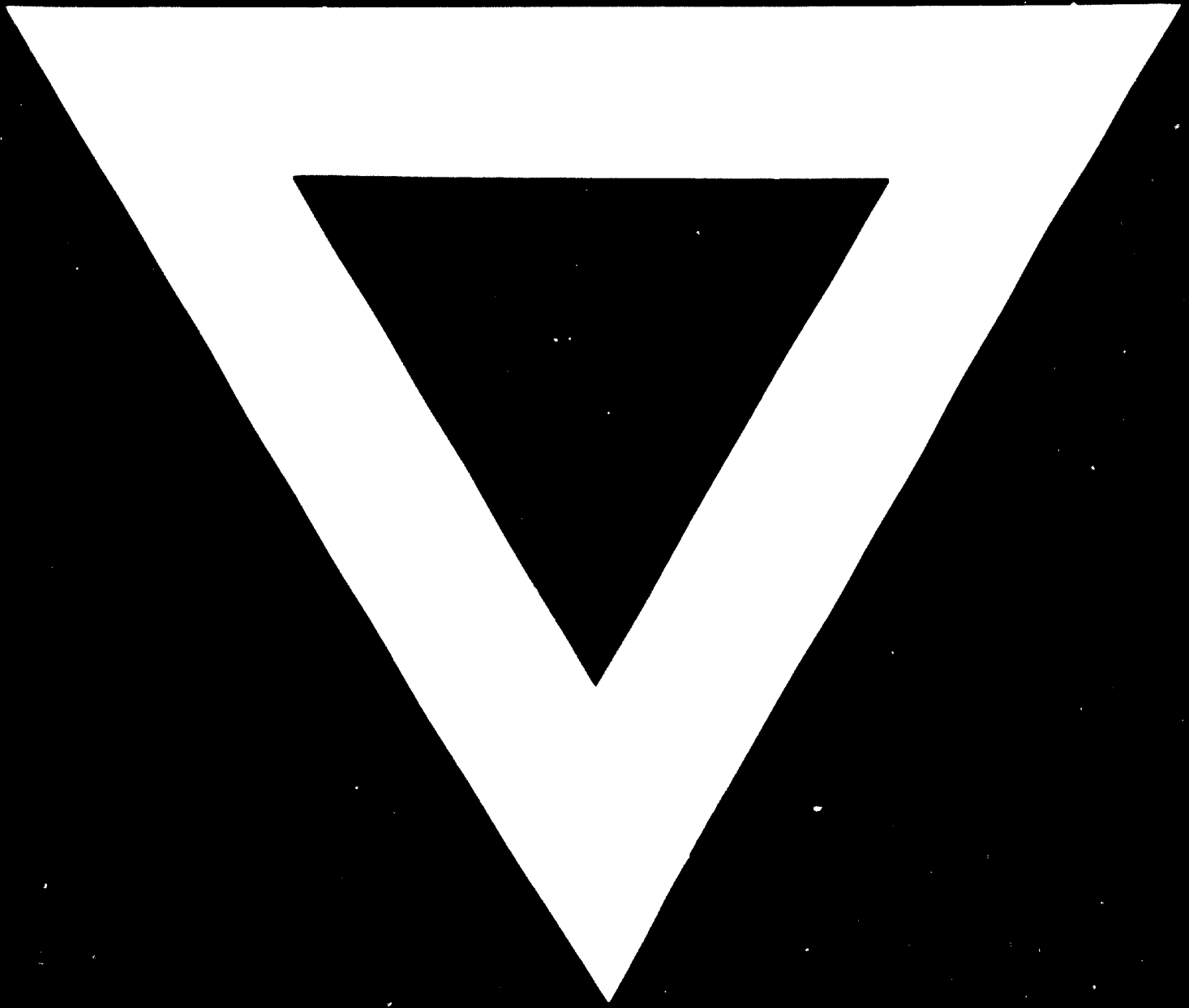
Plan of Operation signed in August 1968

Duration: 5 years

Total UNDP(SF) allocation	US\$ 771,700
Experts and subcontracts	580,000
Fellowships	50,000
Equipment	30,000
Miscellaneous	34,800
Executing agency and SF	76,900

4. Experts

Project manager	60	Mr. Schroll
Market survey, marketing	36	Mr. Herman
Industrial programmer	48	Mr. Depuy
Chemical engineer	24	Mr. Deramaix
Mechanical engineer	24	Mr. Quatrauax
Foodstuff engineer		-



31. 1. 72