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ASSISTANCE TO THE MINISTRY OF KENYA

DP/KEN/80/001

KENYA

Terminal report*

**Prepared for the Government of Kenya
by the United Nations Industrial Development Organization,
acting as executing agency for the United Nations Development Programme**

**Based on the work of M.F. Husny,
chief technical adviser
special on agro-based industries**

Backstopping officer: W.E. Eckert, Industrial Planning Branch

**United Nations Industrial Development Organization
Vienna**

*** This document has been produced without formal editing.**

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Explanatory Notes

Value of the local currency - Kenyan Shillings (K.Sh.) during the period of the project in terms of United States Dollars (US\$):

31 December 1981:	1 US\$ = K.Sh.
31 December 1982:	1 US\$ = K.Sh.
31 December 1983:	1 US\$ = K.Sh.
31 December 1984:	1 US\$ = K.Sh.
31 December 1985:	1 US\$ = K.Sh.

Abstract

This report sums up the development as well as the immediate objectives of project DP/KEN/80/001 - Assistance to the Ministry of Industry - which came to an end on 31 December 1985. 1/

It also contains elaboration on some of the activities and outputs that have been carried out by the project's experts and consultants which were either not clearly reported, or not clearly summarized in other previous reports. Important factors that have significantly affected the delivery of outputs, whether positively or negatively, were also brought up in order to serve anyone who desires improvement or perfection in any new UNIDO project to come.

In addition, recommendations that will assure improvement in future UNIDO projects are frankly listed and discussed.

1/ Training activities were to be terminated by 30 September 1987.

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INTRODUCTION

Although any terminal report should give an account of all its objectives and activities, yet it is believed that the report should not be prepared as a document which reviews the 'history' of the happenings. Moreover, since all the project's experts and consultants, including the present ones, have given to date full accounts of all their activities by appropriate technical reports, studies, manuals and memoranda, it has been decided that this report should be a 'condensed' one that gives, at a glance, a general picture of its activities and performances. It will be noticed in this report that repetition is avoided as much as possible; and, that it includes elaboration on items that were either not covered at all, or, were slightly covered, but are nevertheless important to all the ones who read it. In general, as it appears in UNIDO's Chief Technical Adviser's Manual, 'the terminal report should present an analysis of the project's implementation and results, not a historical narrative'.

I. PROJECT DURATION:

This project was started on 6/8/1981 and is scheduled to terminate on 31/12/1985.

II. OBJECTIVES AND LOGIC OF PROJECT:

A. Development Objectives:

- The primary development objective is to increase industrial production and its contribution to the GDP, with primary emphasis focussing on shifting from import-substitution to export orientation, while at the same time maintaining the domestic industrial growth at the optimum level.
- The secondary objective is to achieve the consolidation of existing industry by effecting improvement in the domestic value-added, including the use of local resources, capacity utilization, productivity, management, efficiency and export performance.
- To ensure a total participation of Kenya nationals in this effort.
- To strengthen the functional role of the Ministry of Industry in devising strategy and policy and in planning, programming, co-ordinating and executing industrial development projects in such a way as to contribute to the achievement of the above primary objective.

B. Immediate Objectives:

- (1) Guidelines, manuals and criteria required to facilitate the tasks of industrial planning and programming, project development and evaluation and monitoring of project's execution.
- (2) The design of measures and projects for incorporation in the Fifth Development Plan.

- (3) An improved capability of the Ministry of Industry in out-lining and co-ordinating industrial activities and policies, including the co-ordination of specialised institutes in the industrial sector.
- (4) Pre-investment studies to formulate industrial development programmes for decision-making on industrial investments and choice of technology for development and application.
- (5) Promotion of Kenyanisation, leading to self-reliance in effective industrial planning, in studies and evaluation, in technology development and its application, etc. The project's training programme will be closely related to the overall career development programme of the Ministry of Industry.
- (6) Establishment of a Data Bank for industrial planning, programming, project evaluation and other decision-making purposes, as well as a system for dissemination of information to industry.
- (7) Identification of industrial areas where the potential for export to regional, sub-regional and international markets is existent; and, advise as to how that potential should be exploited to the maximum.
- (8) Identification of measures required to accelerate the pace of industrial growth.

III. ACTIVITIES CARRIED OUT AND OUTPUTS PRODUCED:

Nineteen experts have been employed by UNIDO for the project from its start, out of which ten were short-term consultants and nine long-term experts (Annex - 1). Their contributions have amounted to 188 outputs, out of which 85 were in their original Work Plans and 103 outputs were prepared in response to special requests (Annex - II).

These outputs included the following:

No. of Outputs *		Description of Outputs
(P)	(U)	
10	3	- Guidelines, manuals & brochures,
36	16	- Industrial studies & review for developing policy.
-	2	- Review of functional relationship of MCI with its parastatals to identify institutional and procedural measures to achieve co-ordination of industrial development activity at the level of the Ministry.
28	20	- Project development and evaluation.
6	3	- In-service training.
5	-	- Industrial information system.
-	59	- Operational support.
85	103	Total

* N.B.: P = Included in Work Plans

U = Prepared in response to special requests

In other words, outputs prepared outside of the Work Plans required a substantial part of the experts' and consultants' total available time.

Summary on outputs produced during June to December 1985 after the final in-depth evaluation of the project.

(1) Mr. T. Jeyasingham, Consultant on pulp and paper:

In his five reports, it can be noted that he:

- (a) Studied the present position of local pulp and paper industry and advised on the possible fibrous and non-fibrous raw materials available locally.
- (b) Examined the situation of bagasse, means to improve its availability; and, described how to set-up a plant at Mumias Sugar Factory to utilize bagasse and cane-tops to produce fine paper.
- (c) Indicated how to utilize sisal waste for the production of hard tissues.
- (d) Looked into the production of corrugated medium from straw.
- (e) Discussed the production of hand-made paper from cotton-lint.
- (f) Gave useful information on how the pulp and paper industry can be developed in Kenya.
- (g) Gave recommendations on some projects that are likely to be viable, on energy conservation; and, on means of making suitable raw material available to existing plants.

(2) Outputs of Mr. J. Bulot, Consultant on fats and oils:

- (a) Evaluated situation and discussed problems encountered in existing plants and prospects of the vegetable oils and animal fats industry in Kenya.
- (b) Gave valuable techno-economic information regarding oils and fats and their available raw materials in the country.
- (c) Suggested a plan for the expansion in cultivation of oil-seeds, the establishment of new modern oil mills; and, the improvement of situation in existing vegetable oil and animal fat plants.

(3) Report of Mr. R. Singh, Consultant on Building Material Industry:

- (a) Discussed, in general, the principles of formulating a programming development policy.
- (b) Assessed the quality of selected locally-produced spare parts, and advised on ways of quality improvement.
- (c) Offered good suggestions in connection with improving and developing the situation at the plant of the 'Ceramic Industries of East Africa'.
- (d) Identified some local materials as being ideal for low-cost building construction.
- (e) Suggested the establishment of four projects for the production of: autoclaved cellular concrete; clay-flooring and fascia tiles; light weight building panels produced from wheat or rice straw; and, wire-bound reed boards.
- (f) Recommended the techniques of prefabricated buildings construction and reported advantages thereof; and identified a leading system which is already applied successfully in 15 developed and 17 developing countries.

(4) Outputs of Mr. M.F. Hugny, agro-industries expert:

- (a) Industrial Profile for a prototype small-scale industry for the production of a new dried/salted/spiced meat product:

This profile has been prepared in order to introduce a meat product which is easily to prepare and to preserve, in any part of Kenya. It can be prepared from beef, as well as camel meat. It is a product which is widely prepared and used in the Middle East, under the name of 'Bastirma', by mostly any income group - depending on the variety of meat it has been prepared from.

Economic analysis has proved the viability of establishing small industrial units for the production of Bastirma in Kenya. Nevertheless, it has been suggested that the Kenya Industrial Research and Development Institute in Nairobi should prepare the new product following the recipe and method described in the profile and analyse it, then results should be passed to the Kenya Bureau of Standards in order to issue the necessary standards of quality that should be imposed on everyone who desires to go into the production of Bastirma.

After establishing a national market-base in Kenya, the product can be exported to the nearby oil-rich Arab countries, as a new source of foreign currency.

(b) Industrial Profile for the establishment of an integrated small-scale fruit industry at the Coast Province, Kenya:

This is a study which covers the utilization of three crops that predominate in the Coast Province, namely: mangoes, cashew-apples and coconuts, in an integrated small industry, which proved to be viable from the financial analysis carried out. The interesting part in it is the utilization of 'cashew-apples' which, until now, are left to rot. In addition, it contains new ideas for the utilization of peeled dried coconut pulp, in a grated form, to produce mainly what is described as 'coconut candy'. It is believed that this would be a valuable product which can be sold either in a 'plain' form as described in the profile, or after coating it with chocolate. In both forms, such a coconut product can find easy access to both the local and foreign markets, especially in the nearby oil-rich Arab countries.

Factors that have significantly influenced the delivery of outputs:

(1) Positive factors:

- (a) The mutual and close cooperation between the experts and their Kenyan colleagues, especially those in the Agro-industries Section, Industrial Promotion Division; Mr. D.O. Ong'olo, Head of the Small-scale and cottage industries Section, Division of Industrial Planning, as well as some colleagues from outside the Ministry of Commerce and Industry;
- (b) Documents available at the Department of Industries' library;
- (c) Documents supplied by UNIDO and the International Trade Center (UNCTAD/GATT);

(2) Negative factors:

- (a) Problems created occasionally by restricting field visits, contacts within and outside the Ministry, attendance of meetings, etc;
- (b) Irregular or non-availability of transport for field visits;
- (c) Limited availability of telephone facilities;
- (d) Lack of data on special issues.

IV. ACHIEVEMENT OF IMMEDIATE OBJECTIVES:

These have been well covered in the report on the project's final in-depth evaluation mission, 1-19 June 1985, 83 pages, its up-dating in the project's Internal Evaluation Report of 14 November 1985, and the Progress Report for the period 1-10-1984 till 30-9-1985. The mentioned reports have been distributed seperately. Annex III of this terminal report gives up-dated details on officers who were sent for training abroad, or are awaiting fielding, since the start of the project. From the tables

can be seen that a total of 50 officers obtained 61 fellowships.

Annex IV lists UNDP/UNIDO inputs of project equipment and reference materials, years of delivery and current location.

V. UTILIZATION OF PROJECT RESULTS:

This subject was also covered in the reports mentioned above (i.e. IV).

VI. CONCLUSIONS:

Were well covered in the above mentioned reports.

VII. RECOMMENDATIONS:

Besides those mentioned in the above separately delivered reports, the following should be added:

A. UNIDO can be approached by the Ministry of Commerce and Industry in order to establish, in Kenya:

- (1) A multi-purpose agro-industries pilot plant for carrying out experiments on a small-scale (ex: batch processes, pilot operations; and, examining different raw materials and manufacturing processes, for comparative purposes, in order to choose the best suited for local conditions.
- (2) Setting-up a Research and Development Institute for testing, processing and industrial exploitation of mineral ores.

B. The following is suggested with regard to the follow-up project DP/KEN/84/012:

(1) In connection with the Handicraft Industry, Training Centres for local teachers of handicraft, first in Nairobi, then Mombasa, then other provinces' capitals. Later on, these teachers would be able to train artisans on best ways to produce high quality, well-designed, export-oriented, handicraft products. Main raw materials for such purposes would be:

- banana leaves
- papyrus stems
- dried flowers
- colourful butterfly wings
- colourful birds' feathers
- corals, sea-shells, etc.
- pottery crafts
- leather
- wood
- various seeds.

(2) An exact date should be fixed in time for the envisaged and postponed Workshop on Industrial Planning and Coordination in order to allow time for sub-contracting, etc.

NB: A feasibility study on the production of the enzyme 'papain' and papaya products will need to be included and will require not less than 4 m/m. A budget should be fixed for it.

(3) It is suggested that the Metals and Engineering Sector should include the following in its activities:

- (a) Production of 5-ton stainless-steel tanks, with rounded bottoms, for milk collection and distribution.
 - (b) Electricity meters.
 - (c) Scales (for weighing).
- (4) Vacancies in Sections of different Divisions should be filled with qualified officers.
- (5) To facilitate the work of experts, appropriate national officers should be timely assigned to them.

UNIDO/UNDP PROJECT - DP/KEN/80/001List of UNIDO Experts/Consultants - 6 August 1981 - 31 Dec. 1985

A.	<u>PRESENT</u>	<u>Arrival Date</u>	<u>Contract end Date</u>	<u>Post Title</u>
1.	Mr. M.F. Husny	8/ 2/83	31/12/85	CTA-Expert on Agro-based Industries.
2.	Jr. P.M. Makundan	10/ 8/84	4/ 1/86	Industrial Engineer.
B.	<u>PAST</u>			
3.	Mr. T.F. Abola	15/ 9/81	15/10/85	Industrial Economist.
4.	Mr. S.S. Ali	4/ 1/82	10/ 3/85	CTA-Sr. Adv. on Industrial Planning
5.	Mr. D.A. Bassi-Zambelli	23/ 9/81	22/10/82	Senior Adv. on Small Industries Dev.
6.	Mr. E.M. Batscha*	17/ 3/82	25/ 6/82	Consultant - Polyethylene Project.
7.	Mr. J. Bulot*	1/ 8/84	30/10/84	Consultant - Oils and Fats
8.	Mr. A. Gendia*	28/ 6/82	10/12/82	Consultant - Textile Industry
9.	Mr. S.S. Gill	7/10/77	10/11/83	Sr. Adv. Technology and its application.
10.	Mr. S.A. Hagstroem	6/ 8/81	10/ 8/82	Sr. Adviser - Project Dev.
11.	Mr. T. Jeyasinghan*	25/11/84	5/ 2/85	Consultant - Pulp & Paper
12.	Dr. E. Meneses*	30/ 7/84	20/10/84	Consultant - Pharmaceutical Industries.
13.	Mr. A. Myatt	6/ 8/81	30/ 6/82	Sr. Adviser Industrial Information.

14.	Dr. A.A. Rasheed	26/9/81	22/3/82	Consultant - Agro-based Industries
15.	Mr. M. Shabayek*	end-Feb.84	end-May 84	Consultant - Textile Industry
16.	Mr. Rabinder Singh*	8/5/85	7/9/85	Consultant - Building Materials Industry
17.	Mr. C.R. Subramanian*	8/5/82	31/1/83	Consultant - Electronics Industry
18.	Ms. I.G. Unamboowe*	22/6/83	25/12/83	Consultant - Industrial Information Service
19.	Mr. V.S. Zerjavich*	2/10/81	1/4/82	Consultant - Development and Appraisal

* Short-term consultants.

DP/KEN/80/001 - PROJECT OUTPUTS AND PERFORMANCE

ANNEX II (ii)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
1.	<u>Guidelines, Manuals, Brochures</u>	- Guidelines for Industrial Planners in M.C.I.	1983 & 1985	S.S. Ali	P	Discussed with Industrial Planning Division
1 (1)	Guidelines for Industrial Planners	- A Guide for District Studies for Industrial Development	1983 & 1984	S.S. Ali	P	
	- Planning					
	- Undertaking Ind. Studies					
	- Preparing Annual Development Programme	- Proposed Industrial Specific Strategy for Fifth Development Plan	1983	S.S. Ali	P	Discussed at MCI and MPP Utilized for Development Plan
	- Evaluating progress on National Plan	- Proposed Industrial Policy and Strategy for Fifth Development Plan	1983	S.S. Ali	P	Discussed at MCI and MPP Utilized for Development Plan
	- Monitoring execution of industrial projects/programmes	- Restructuring of Projects Implementation Division	1982	T. Abela	U	Largely implemented
		- Recommendations for card system to progress project studies/programme and for monthly progress reports	1982	T. Abela	U	Adopted, slow progress
		- Guidelines for the Promotion of Direct Foreign Investment	1983	T. Abela	P	Adopted, slow progress
		- Kenya - The Gateway to Africa - Guidelines to Investors	1981	T. Abela	U	Published by Ministry - utilized at London and Tokyo Investment Seminars Distributed to foreign and local embassies and investors.

P = Planned report

U = Prepared in response to a special request

ANNEX II (b)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
1 (ii)	Guideline for producing/ pre-feasibility studies					Dropped in view of UNIDO Manual for preparation of Feasibility Studies which was adopted for this output
1 (iii)	Review/Updating Industrial Development manual outlining procedures for appraisal, approval and follow-up of Industrial projects approved by Ministry.	- Guidelines on appraisal, approval and monitoring of approved industrial projects	1985	T. Abela	P	Initially adopted. New Ministerial Policy has done away with appraisal and approval of Projects above KShs.5 million which now need only a Trade Licence.
1 (iv)	Brochure on Industrial Information	- Ministry of Industry Information Centre procedure Manual	1982	A. Myatt	P	Adopted
		- A Brochure on Industrial Information	1983	I. Unamboowe	P	Adopted
		- A manual on the Management of Industrial Information	1983	I. Unamboowe	P	Adopted, Implemented.
1 (v)	Directory of Manufacturers of Industrial products	- Proposal for plan, scope and format of Directory	1983	T. Abela	P	Positive. MCI produces Directory of Exporters. Suggestion to merge the two Directories. Decision awaited was taken by Director of Industries in August 1985 to go ahead with the idea.

ANNEX II (c)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
2.	<u>Industrial Studies and Review for Developing Policy frames</u>					
2 (1)	<p>Sample studies for policy formation and strategy development on:</p> <ul style="list-style-type: none"> - Assessment of nature and size import component of existing industry and measures required to ensure its replacement from domestic resources. - Assessment of utilization of installed capacity and identification of measures to facilitate optimum utilisation. - Assessment of export potential and identification of measures to exploit potential - Assessment of nature and size of foreign investment and its impact on the economy. Measures required to guide foreign investment to priority areas. 	Private Foreign Investment in Kenya	1982	T. Abela	P	<p>Studies being undertaken by US.AID. Mr. Abela produced terms of Reference for Consultants and Questionnaire for the Industrial Survey.</p> <p>Recommendations included in policy paper to Cabinet. A new institution viz. "Investment Advisory and Promotion Centre" was set up under the Ministry of Finance.</p>

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision Implementation
2. (11)	Sectoral Studies for Project Identification on: - Resource based and export-oriented industry	- Identification, promotion and implementation of some potential agro-industrial projects in Kenya - Use of water hyacinth for manufacture of paper on small scale - Problems and prospects of Oils and Fats Industries in Kenya - A Study and Evaluation of the Vegetable Oils and Animal Fats Industry in Kenya - Products of Pyrethrum - Field Trips to Banana and Citrus Fruit areas in some Districts of Kenya, Phase I - " Phase II - "Strategies for Marketing of Horticultural Crops and processed Products, and promotion of Industries Based mainly on Horticultural products"	1982 1982 1984 1984 1983 1983 1983 1983	A.A. Rasheed A.A. Rasheed J. Bulot J. Bulot M.F. Husny M.F. Husny/ P. Maraguri " " " "	P U P P U P P P	Being considered Being considered Being considered Being considered Still being considered Still being considered Partly implemented by Ministry of Agriculture and Livestock Development

ANNEX II (c)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision Implementation
		- Final Report on Banana and Citrus Fruit Areas in some Districts of Kenya	1983	M.F. Husny	P	Recommendations accepted
		- Report on Strategy for the local marketing of some Horticultural Products; and, possibilities for export of some Horticultural Produce, from Matathia Division, Kiambu District, Central Province, Kenya.	1983	M.F. Husny	P	Sent to Matathia Division and discussed with growers on methods of implementation.
		- Potentials in Agriculture, Livestock and Fisheries, Phase I.	1984	M.F. Husny/ Magwaro/ Muraguri	P	Project profiles prepared
		- " " Phase II	1984	M.F. Husny/ Muraguri	P	" " "
		- Policies and measures for Domestic Industrial processing of raw materials in Developing Countries: Kenya	1984	M.F. Husny/ Wachira/ Magwaro/ Kabecha	U	Kenya's report has been submitted at UNIDO-IV Conference in Vienna, 1984
		- Screening of Kenya Flora for Essential Oils of Potential Economic Values	1984	M.F. Husny/ Magwaro	U	Passed to end-users.
		- Utilization of Horticultural Potentials in Establishing Small Scale Industries at Kangema, Murang'a District, Central Province	1984	M.F. Husny	U	Report sent to Kangema officials and KIE
		- Possibilities of the Oil Palm, Cacao and Vanilla being new agro-industries potentials in Kenya.	1985	M.F. Husny	U	Being considered

ANNEX II (f)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
		- Project Proposals for an Agro-Industries Complex for Garissa-Bura Area, North Eastern Province, Kenya.	1985	M.F. Husny	U	Project being discussed with foreign investors
		- A new look at the Edible Oil Crops, Cacao and vanilla	1985	M.F. Husny/ Bikwetti/ Magwaro	U	Being considered
		- Project Proposals For An Animal Feed Factory Integrated With A Grain-milling Plant for the Kericho District, Rift Valley Province.	1985	M.F.. Husny	U	
		- Farm and Food Factories Wastes which can be utilized mainly as Sources of Human Food and Animal Feed	1985	M.F. Husny	U	Being considered
	- Building Materials Industry	- Building Materials Industry Study Report	1985	R. Singh	P	Being considered by Department
	- Chemical Industry	- Manufacture of low density Polyethylene in Kenya	1982	R.H. Batscha	P	Negative findings. Dropped.
		- Assistance for the Development of the Pharmaceutical Industry	1984	E. Meneses	P	Being considered
		- Development of Pulp and Paper Industry in Kenya	1985	T.Jeyasinghan	P	Being promoted with interested authorities
	- Textile Industry	- Programme for the Development of the Textile Industry	1982	A. Gendia	P	Utilized by Department

ANNEX II (c)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Feasibility Implementation
		- Interim Report on Mountex Ltd.	1984	M. Shabayek	P	Passed for consideration of Parent Parastatal (TDB)
		- Final Report on Mountex Ltd.	1984	M. Shabayek	P	" " "
	- Engineering and Metal Industries	- Review of Reports pertaining to development of electronics in Kenya	1982	C.R. Subramanian	P	
	- Assembly and feeder Industry	- Development of Electronics in Kenya - Ten year profile, Human Resource Base, Policies and Strategies	1982	" "	P	
		- Detailed Report on a Centre for Electronic Product Design, Development and Training	1982	"	P	
		- Electronic standards and calibration facilities	1982	"	U	Suggestions to augment facilities at Kenya Bureau of Standards
		- Computer and micro-electronics - Kenya	1982	" "	P	
		- Development of Electronics in Kenya - Terminal Report	1982	"	P	
		- Wire rod/billet study	1984	P.M. Mukundan	P	Accepted by Ministry. Distribution to Development Finance Institution
		- Development of Foundry Sector in Kenya (Part I)	1984	"	P	Implementation Plan under Preparation
		- Government support to Steel Industry	1985	"	P	Being considered

ANNEX II (h)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
		- Proposal for studying Cold Rolling Mill Sector	1984	P.M. Mukundan	U	Accepted.
		- Issue of Import Licences for used Industrial machinery	1983	S.S. Gill	U	Positive. Restrictions relaxed
		- Machine Tool Project: The New Concept	1981	S.S. Gill	P	
		- Report on Development of Motor Industry in Kenya (Parts I and II).	1982	S.S. Gill	P	
		- Position Paper on Development of Iron and Steel Industry in Kenya	1982	S.S. Gill	P	
		- Policy for Rationalization of Assembly of motor Vehicles with a view to promoting local industry	1985	T. Abela	P	Being considered
	- Small Industries and handicrafts	- Small Scale Industries Sector - its present situation and prospects for development	1982	D.A. Bassi-Zambelli	P	
		- Small Scale Industry Development	1982	"	P	Discussed at Sectoral Planning Group (Inter-ministerial) and considered for Development Plan.
		- Public Sector Assistance Programme for small scale Industry	1982	"	P	
		- Working Paper on the Definition of small scale Industry	1982	S.S. Ali	U	

ANNEX II (1)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
2 (iii)	Review of industrial promotion activity of the Ministry in relation to incentives and facilities through tariff structure, industrial infrastructure facilities, industrial financing system, procedures and controls to discourage investments in low priority areas	- Review of Industrial Promotion Activity of the Ministry of Commerce and Industry	1985	T. Abela	P	Being considered
2 (iv)	Comprehensive and fully integrated statement of industrial policy and strategy on basis of (i) to (iii) above and draft of Industrial Development law if found necessary for implementation of Industrial policy and strategy.	- Performance Review of manufacturing sector since Independence, and Review of Policies and Procedures to be followed for promoting and attracting private sector (local and foreign industry) and to facilitate transfer of technology	1982	S.S. Ali	P	Used as basis for preparation of draft Chapter on Manufacturing Sector in new Development Plan
		- Proposed Industrial Promotion Law, its objectives, scope and structure	1983	S.S. Ali	P	Discussed and dropped
		- Review of proposed Industrial Registration Bill	1982	T. Abela	U	Withdrawn after detailed discussions.
		- Draft Chapter on Manufacturing Sector of Development Plan	1983	S.S. Ali	U	Formed basis for Development Plan

ANNEX I: (j)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
3.	Review of functional relationship of Ministry with its parastatals to identify institutional and procedural measures to achieve co-ordination of Industrial Development Activity at the level of the Ministry.	<ul style="list-style-type: none"> - Industrial Coordination Division - its operation, objectives and activities - Work-Plan for Industrial Coordination Division - Review of Industrial Promotion Activity of Ministry of Commerce and Industry (Chapter on Industrial Finance) - stated elsewhere 	1982 1982 1985	S.S. Ali T. Abela T. Abela	U U P	Implementation deferred due to alteration of industrial strategy and merger of Ministries to the Ministry of Commerce and Industry.

ANNEX II (k)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
4.	<u>Project Development and Evaluation</u>	<ul style="list-style-type: none"> - Feasibility study for production of Machine Tools - Feasibility study on Integrated Iron and Steel mill - Feasibility study on Production of Unsweetened Banana Purée - Industrial Investment Opportunities in Kenya (27 Project Profiles) - Report on feasibility of: <ul style="list-style-type: none"> (1) Producing fine paper from bagasse (2) Hard tissues from sisal waste (3) Corrugated medium from straw (4) Hand-made paper from cotton waste - Project Profiles for the production of paracetamol - Pre-feasibility study on Production of Telecommunication Equipment 	1982	Hindustani Machine Tools (India) Austro Plan	P	To be reviewed Negative results of evaluation, dropped.
4 (1)	Pre-feasibility Studies of industrial projects to be identified by the Ministry on the basis of sectoral and area studies		1984	T. Abela/ M.F. Husny	P	Being promoted
			1983	T. Abela	U	Printed by Ministry Promoted at Tokyo Investment Seminar. Being followed up
			1985	T. Jeyasingham	P	Being considered
			1985	T. Jeyasingham	P	" "
			1985	T. Jeyasingham	P	" "
			1985	T. Jeyasingham	P	" "
			1984	E. Manases	P	
			1982	C. Subramanian	P	

ANNEX II (1)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
		- Development of Foundry Sector in Kenya Part II- Feasibility Study on grey iron foundry	1985	P.M. Mulandari	P	Analysis of existing foundry sector. Being considered
		- Feasibility Report for Establishment of Forge Shop in Kenya	1983	S.S. Gill	P	Under consideration.
		- Special Note on the Harvest, Handling and Storage of Potatoes	1983	M.F. Husny	U	Handed to growers
		- Tea Seeds as a possible new source of Edible Oil	1983	M.F. Husny	U	Being considered
		- Banana Purée	1983	M.F. Husny	P	Basis for follow-up studies.
		- The Balanites (Heglig) Tree	1984	M.F. Husny	U	Chemistry Dept., Univ. of Nairobi experimented on fruit. A location in Nairobi area where balanites grow was visited.
		- Macadamia, an important Agro-Industries Potential in Kenya	1984	M.F. Husny	U	Passed to Ministry of Agriculture
		- The Production of Canned and Candied Pears	1985	M.F. Husny	U	Handed to a manufacturer
		- Production and Markets of the Enzyme Papain	1984	M.F. Husny	P	Being considered
		- Feasibility Study on the Production of Lime Juice and Lime Oil in the Coast Province of Kenya	1984	M.F. Husny	P	Passed on to entrepreneurs
		- Industrial Profile for a Lime Syrup Small Scale Industry	1984	M.F. Husny	P	Passed on to entrepreneurs

ANNEX II (m)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
Evaluation		- Project on the Production of Papyrus-Sheet Murals in Kenya	1984	M.F. Husny	P	Delivered to Lake Basin Development Authority, Kisumu..
		- Industrial Profile for Establishing Economic Bees Wax and Honey Production Units in Kenya	1985	M.F. Husny/ I.K. Kigatira/J. Kasolia	P	Passed continuously to end-users by Beekeeping Branch, Min. of Agri. & Livestock Development.
		- Agro-Industries Projects For Investment	1985	M.F. Husny	U	Utilized by Delegations
		- Industrial Profile For A Prototype Small Scale Industry For the Production of A New Dried/Salted Spiced Meat Product	1985	M.F. Husny	P	Under consideration
		- Industrial Profile For The Establishment of An Integrated Small Scale Fruit Industry At the Coast Province, Kenya	1985	M.F. Husny/ D.G. Magwaro D.O. Ong'olo	P	Under consideration; and, a copy given to Kenya entrepreneur who is studying implementation.
		- Financial Analysis of Integrated Iron and Steel Mill Project	1984	T. Abela	P	Analysis utilized, project rejected.
		- Evaluation of Tuna Fishing and Processing Project	1984	T. Abela	U	Negative evaluation.
		- Appraisal of Project for production of natural mineral water	1983	T. Abela	U	Approved by N.P.C.

ANNEX II (a)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
4 (ii)	Study on ways and means of streamlining the infrastructural facilities and associated policies required for attracting and promoting foreign and local investment including joint-ventures	- Evaluation of Instant Coffee Project	1982	S. Hagstroem	U	Approved by N.P.C.
		- Evaluation of Castor Oil Project	1982	S. Hagstroem	U	" " "
		- Evaluation of Broiler Production and Feedmill	1982	S. Hagstroem	U	" " "
		- Guidelines for Promotion of Direct Foreign Investment (Reported also under guidelines)	1983	T. Abela	P	Mainly positive. Parts being implemented by Industrial Cooperation Section.
		- Private Participation in the Development of the Manufacturing Sector	1983	T. Abela	U	Prepared for elaboration of Development Plan Chapter.
		- Procedures for Manufacturing Under Bond	1983	T. Abela	P	Adopted in June 1984 Budget. Under implementation.
		- Practical Hints concerning Foreign Collaboration Agreements	1984	T. Abela	U	Positive. Passed to Central Bank of Kenya.
	- Review of Policies and strategies of multi-nationals related to marketing/assembly/manufacture of farm machinery in Developing Countries and strategy to be used in Kenya to develop industry for production of farm machinery.	1982	S.S. Ali	P	Positive. Utilized by Permanent Secretary at meeting with UNCTC New York.	

ANNEX II (o)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/ Implementation
	Investment Promotion	- Kenya - The Gateway to Africa - Guidelines to Investors (Reported also under Guidelines 1(i))	1981	T. Abela	U	
		- Report on Tokyo Investment Seminar	1983	T. Abela	U	Approved. Being followed up
		- Recommendations for effective Investment Promotion	1982	T. Abela	P	Adopted as functions of Industrial Cooperation Section.
		- Comments on Proposed Export Processing Zones	1982	T. Abela	U	Utilized by Ministry. Passed to K.E.T.A.
		- Comments on "Policy towards Private Foreign Investment in Kenya.	1982	T. Abela	P	Utilized by Ministry re Cabinet Paper
		- Comments on Proposed Investment Advisory Centre	1982	T. Abela	U	Considered by Ministry.
		- Technical Cooperation Among Developing Countries	1983	S.S. Gill	U	Followed up by Industrial Co-operation Section.
		Joint Ventures	Review of Foreign Collaboration Agreements: (a) Pan African Paper Mills (Kenya) - Orient Paper Mills (India)	1983	T. Abela	P

ANNEX II (p)

Abstract No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
		(b) Union de Tanneries de Malmedy (Belgium) and Investment Promotion Services (Kenya) (Farmery)	1983	T. Abela	P	Project implemented.
		(c) Kjalstrons (Sweden) Dynamics Engineering Ltd. (Kenya) (Belt Conveyors)	1983	T. Abela	P	Utilized by Kenyan Investor
		(d) Equipment Corp. (India) - Karatina Animal - Feed Co. (Kenya) (Turnkey Project - supply and operation of Feed Mill)	1982	T. Abela	P	Utilized by Kenyan Investor
		(e) Schmidt and Raykowski (W. Germany) - Colour Packaging Ltd. (Kenya) & Plastic Packaging.	1982	T. Abela	P	Utilized by Kenyan Investor
		- Management Agreement of Mehta Group	1982	S.S. Ali	U	Considered by Ministry No assistance requested
(iii)	Assistance to Ministry in monitoring progress on projects under execution					
(iv)	An overall review of the industrial base of Kenya to identify areas of investment opportunities for industrial growth	-- Performance Review of the Manufacturing Sector since Independence (Reported also elsewhere) - Draft Chapter on Manufacturing Sector for Dev. Plan (reported elsewhere)	1982 1983	S.S. Ali S.S. Ali	P P	Positive (pre-study for Chapter on Manufacturing Sector in Dev. Plan. Included in Development Plan

ANNEX II (1)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
4 (v)	A review of the agricultural livestock, fisheries and mineral base of Kenya to identify industrial investment opportunities	- Plan of study of mineral base for manufacturing sector	1984	S.S. Ali	U	Acknowledged.
		- Potentials in agricultural livestock and fisheries, Phase I (reported elsewhere)	1984	M.F. Husny	P	Being considered. Profiles prepared
		- " " Phase II (reported elsewhere)	1984	M.F. Husny	P	" "

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
5.	<u>In-Service Training</u>					
5 (i)	On-the-job training of national staff by experts	- Selection of fields of Industrial Training for UNIDO fellowships 1983/1984	1983	S.S. Ali	P	Adopted, Implemented
		- In-Service training programme of Ministry of 1984	1983	S.S. Ali	P	Submitted
5 (ii)	Assistance to Ministry in organizing symposium/Seminars	- Problems of Industrial Planning and Research in Kenya	1981	V.S. Zerjavich	U	Read/Discussed at Symposium
	- National Symposium on Industrial Research and Development	- An Approach to Rapid Industrial Development in Kenya	1981	T. Abela	U	"
	- Project Development and Evaluation	- Various Working Papers	1982	V.S. Zerjavich	P	Submitted
		- Development of Industrial Estates (lecture)	1982	T. Abela	U	22 Participants
	- Promotion and Regulation of Direct Foreign Investment	- Report on UNIDO/UNCTC Workshop on Promotion and Regulation of Direct Foreign Investment	1983	T. Abela (Workshop Director)	P	42 Participants incl. 6 foreign lecturers
	- Regional Industrial Development	- Report on UNIDO/Dept. of Industry Workshop on Regional Ind. Deve.	1984	T. Abela	P	41 Participants. Recommendations being considered by Ministry
	- Industrial Planning and Coordination	- Terms of reference for engagement of Consultants	1985	T. Abela	P	Workshop to be held in the framework of the follow-up project.

ANNEX II (s)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
6.	<u>Industrial Information System</u>					
6 (i)	Survey to identify sources of industrial information in Kenya	- Development of Industrial Information System: Project findings and Recommendations	1982	A. Myatt	P	
		- Objectives in the establishment of an Industrial Information Service	1982	A. Myatt	P	Adopted. Strengthened by Mrs. Unamboowe implemented
		- Future Development of a National Industrial Information Service	1982	A. Myatt	P	Negative. Dropped
6 (ii)	Industrial Information Manual	- Brochure on Industrial Information (Reported elsewhere)	1983	I. Unamboowe	P	Positive. Implemented.
		- Manual on the Management of Industrial Information (Reported elsewhere)	1983	I. Unamboowe	P	Submitted
6 (iii)	Dissemination of Industrial Information	- Industrial Bulletin (Monthly)	1983	Set up by I. Unamboowe	P	Adopted. Published regularly
		- Current Awareness Service (Monthly)	1983	Set up by I. Unamboowe	P	"
6 (iv)	Establishment of Industrial Data Bank			S.S. Ali	P	Proposals submitted implementation postponed.

ANNEX II (t)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
	<p>Operational Support</p> <p>Proposed synopsis for Manufacturing Sector</p>	<ul style="list-style-type: none"> - The Chapter on Employment Commission Report - Review of proposal for establishment of Export Processing Zone - Proposed framework for discussion at National Export Conference - New Format for undertaking census of Manufacturing Establishments employing 50+ employees - Briefs for Delegations: <ul style="list-style-type: none"> (a) Delegation to Pakistan (b) Seminar on Industrial Policy in Sub-Saharan Africa (c) International Seminar on public sector manufacturing enterprises - India (d) Agro Industries Projects for investment (reported elsewhere). 	<ul style="list-style-type: none"> 1983 1983 1984 1984 1984 1984 1984 1985 	<ul style="list-style-type: none"> S.S. Ali S.S. Ali S.S. Ali/ T. Abela S.S. Ali S.S. Ali S.S. Ali S.S. Ali M.F. Husny 	<ul style="list-style-type: none"> U U U U U U U U 	<ul style="list-style-type: none"> Considered. Utilized for submission of Ministry to Ministry of Labour Considered. Utilized for submission of Ministry to KETA Adopted. 250 participants including ministries, parastatals, University, private Enterprise, KNCCI, K.A.M. Opened by Vice President addressed by 5 ministers. Ali and Abela assisted as resource personnel Proposal submitted, implementation postponed. Utilized by Delegations Utilized by Delegations Utilized by Delegations Utilized by Delegation

ANNEX II (u)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
		- Problems and Obstacles that Handicap Directly or Indirectly the Implementation, Development and Growth of Agro-Industries Projects in Kenya	1985	M.F. Husny	U	Being considered.
		- Suggested Criteria for sending officers for training abroad	1985	M.F. Husny	U	Accepted by Training Branch, UNIDO. Being considered at MCI.
		- Social Impact of Industrial Development in Kenya	1982	T. Abela	U	For inter-ministerial Seminar presented by Mr. Mwai
		- The Role of the Department of Industries in Regional Industrial Development - Establishment of Industrial Extension Services	1984	T. Abela	U	At request of Director of Industries. Extension Service being set up. 10 Field Officers recruited
		- The Role of the Department of Industries in the policy of District Focus for Rural Development	1985	T. Abela	U	Basis of submission passed to Chief Secretary
		- The Role of the Ministry of Commerce & Industry in the establishment of small and medium Towns	1985	T. Abela	U	For Habitat Conference
		- Projects for Bilateral Aid from Italy on:				Bilateral Assistance for Project Studies for 3 projects
		- Rationalization of Textile Industry	1984	T. Abela	U	

ANNEX II (v)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation	
		- Salt Production	1984	T. Abela	U	First 2 being covered by USAID Studies, Third being submitted for consideration of IDA. Request to extend deadline for Loan being made by MIP. 5 projects being submitted. Loan expired June 1984.	
		- Multi-purpose fruit processing Factory at the Coast	1984	T. Abela	U		
		- Processing of pawpaw into various products	1984	T. Abela	U		
		- Projects for consideration under IDA Credit:					
		- Impact of Govt. Policy on export enterprises	1984	T. Abela	U		
		- Rationalization of Tariff as instrument for Ind. Dev.	1984	T. Abela	U		
		- Export Promotion of Identified goods in EEC and Middle East	1984	T. Abela	U		
		- Promotion of Ship-building Industry	1982	T. Abela	U		Positive, implemented by Steel Billet Castings Ltd.
		- Verticalization of Industry	1982	T. Abela	U		Gave rise to a number of Sectoral Studies
		- Comments on Draft Sessional Paper on Economic Prospects and Policies	1982	T. Abela	U		Comments passed by Ministry to Office of the President. Sessional paper published with amendments.
		- Report of Delegation to Europe on Manufacturing Under Bond	1985	T. Abela (Adviser to Delegation)	U	Adopted, Implemented	

ANNEX 11 (w)

Output	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
		Draft Speeches for:				
		- (a) Minister for Commerce & Industry to UNIDO IV	1984	T. Abela	U	Positive, used as basis for speeches delivered
		- (b) H.E. the President to Kenya Association of Manufacturers	1983	T. Abela	U	"
		- (c) Minister for Commerce & Industry to Tokyo Investment Seminar	1983	T. Abela	U	"
		- (d) Minister for Industry to Workshop on Promotion and Regulation of DFI	1983	T. Abela	U	"
		- (e) Minister for Industry to Kenya Association of Manufacturers	1983	T. Abela	U	"
		Review of draft UNIDO "Industrial Development Review - Kenya" (Country Studies Branch)	1983	T. Abela	U	Amendments approved. Published by UNIDO with amendments
		Papers for Kenyan Delegation to UNIDO IV	1984	T. Abela	U	Approved, utilized at UNIDO IV
		- Questionnaire on facilities required for Ind. Research & Development Institutions in Kenya	1983	S.S. Gill	U	Submitted.
		- Terms of Reference for Consulting Engineers for Eucalyptus Plantation/Charcoal for I.I.S. Mill	1981	S.S. Gill	U	"

ANNEX II (x)

Output	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
		- Technical Cooperation among Developing Countries : Role & Potential in Industry	1983	S.S. Gill	U	Submitted
		- Recommendations for Economy of Fuel Oil Energy in Transport	1983	S.S. Gill	U	"
		- Proposal for Cold Rolling Mill Study	1984	S.S. Gill	U	"
		- Identification of Land for Afforestation Scheme for Charcoal Production	1984	S.S. Gill	U	"
		- Brief for Delegation to Yugoslavia on Foundry Projects	1985	P.M. Makundar	U	"
		- Comments on Machine Tool and Iron and Steel Projects	1985	P.M. Makundar	U	Based on utilization of Kenya Railway Workshop facilities. Includes comments on Integrated Steel Mill Project of Austroplan
		- Comments on Production Cost of Steel Billet Castings Ltd.	1985	P.M. Makundar	U	Submitted
		- Comments on Customs Duty on Billets for Special Steel Mill Ltd.	1984	P.M. Makundar	U	Being considered
		- Importance of Steel Industry and Foreign Exchange Savings in Local Production of Billets with Local & Ship-breaking Scrap	1985	P.M. Makundar/ T. Abela	U	Being considered

ANNEX II (y)

Output No.	Output Description	Document	Year	Author	Origin	Current Status Decision/ Implementation
		- Status of Steel Industry, Rolling Mills and Foundry Sector	1985	P.M. Mukundan	U	Submitted
		- Project Outlines for: Malleable Cast Iron Foundry, Precision Foundry by Investment Castings, Production of Industrial Valves, Spun pipe plant; and, Non-ferrous Foundry for Water Taps.	1985	P.M. Mukundan	U	For D.I. discussions in Europe seeking collaboration partners
		- Appropriate process for casting small items for the Small Scale Foundry/KIE, Eldoret	1985	P.M. Mukundan	U	Report to Eldoret Industrial Estate
		- Production Cost of Steel in Kenya	1985	P.M. Mukundan	U	Report for UNIDO/PTA Study of Iron and Steel Industry in PTA Region
		- Manufacture of Electric Energy Meters in Kenya	1985	P.M. Mukundan	U	Submitted
		- Possibilities of Manufacturing Railway Sleepers in the domestic steel mills	1985	P.M. Mukundan	U	Report to Mr. Otieno, Metals Engineering Section, IPD
		- The current status and Expansion trends in the Domestic Steel Industry	1985	P.M. Mukundan	U	Report on request of UNDP.

ANNEX II (2)

Output No.	Output Description	Document	Year	Author	Origin	Current Status of Decision/Implementation
	Organisational Structure	- Proposal for re-organisation of the Ministry of Industry and establishment of Ind. Dev. Centre	1981	V.S. Zerjavich	U	Submitted
		- Perspective and Prospective of Projects Studies Div.	1982	S.S. Ali	U	"
		- Work-Programme by Section of Ind. Planning Division	1982	S.S. Ali	U	"
		- Re-organization of Department of Industries (upon merger of 2 Ministries)	1983	T. Abela	U	Submitted, not implemented.
		- Past Trends of Development of Automobile Industry Developing Countries	1982	S.S. Gill	U	Submitted
		- Guidelines for Presenting Multi-lateral Investment Projects	1983	S.S. Gill	U	"
		- Comments on Draft Feasibility Reports on Integrated Iron and Steel plant	1983	S.S. Gill	U	"
		- Expansion of Foundry - Kenya Railways Workshop	1983	S.S. Gill	U	"
		- Comments on Expansion Scheme Submitted by MS General Printers	1983	S.S. Gill	U	"

TITLE..... DP/KEV/80/001.....

CODE.....

ANNEX - III (b)
PROJECT MANAGER..... Mr. S.S. Ali.....

Year 1982		FELLOWSHIPS BUDGET: US\$					
Serial number	Names	Estimated	Field	Country	Departure	Duration (months) 1982	Return
5.	Mr. K.R. Bikwetti		Small Industries Development	India	January 1982	2	March 82
6.	Mrs. J.C.A. Obiero		Plan & Appraisal of Industrial Projects	UK	January 1982	3	April 82
7.	Mr. D.O. Ongulo		Industrial Projects	UK	January 1982	3	April 82
8.	Mr. G.M. Mnyao		Project Appraisal	Ireland	February 1982	2	April 82
9.	Mr. K.J. Arab Rono (KITI)		Manpower Planning	Ireland	February 1982	2	April 82
10.	Mr. I.O. Kenani (O.P.)		Iron and Steel Technology	Vienna (Austria)	April 1982	1	April 82
11.	Mr. I.S. Odera		Iron and Steel Technology	Vienna (Austria)	April 1982	1	April 82
12.	Mr. P.H. Muraguri		Agro-based Ind. Project	Oregon, USA	May 1982	4	Aug. 82
13.	Mr. J.D. Gikandi		Corporate Management	Tanzania (Arusha)	June 1982	1	July 82
14.	Ms. R.K. Kosgei		Corporate Management	Tanzania (Arusha)	June 1982	1	July 82
15.	Mr. M.N. Kambo		Corporate Management	Tanzania (Arusha)	June 1982	1	July 82
16.	Mr. G.W. Nasubo		Corporate Management	Tanzania (Arusha)	June 1982	1	July 82
17.	Mr. G.G. Tumwari		Corporate Management	Tanzania (Arusha)	June 1982	1	July 82
18.	Mr. J.M. Kariunga		Manpower Planning	Ireland	June 1982	2	Aug. 82

TITLE..... DP/KEN/80/001.....

CODE.....

PROJECT MANAGER..... Mr. S.S. Ali.....

Year 1982		FELLOWSHIPS BUDGET: US\$					
Serial Number	Names	Estimated	Field	Country	Departure	Duration (months) 1982	Return
19.	Mr. B.W. Karuru		Small Industries Development	Ireland	June 1982	2	Aug. 82
20.	Mr. W. Kabecha		Ind. Exploitation of non metallic raw materials	Czechoslovakia	July 1982	2	Sept. 82
21.	Mr. C.M. Nyamu		Project Identification & Investment Promotion	Ireland	July 1982	2	Sept. 82
22.	Ms. C.A.A. Were		Small Industries Development	Ireland	July 1982	2	Sept. 82
23.	Ms. E.N. Kariithi		Agro-Industries Project	Bradford, UK	Sept. 1982	3	Dec. 82
24.	Ms. P.A. Dede		Project Man. for local Development	UK	Sept. 1982	3	March 83
25.	Mr. A.O.N. Muga		Agro.-Industries Project	Bradford	Sept. 1982	3	Dec. 82
26.	Mr. J.E.O. Mwencha		Ind. Study Tour	Japan	Sept. 1982	2	Nov. 82
27.	Mr. C.G.M. Omo		Construction Materials	UK	Sept. 1982	3	March 83
	Mr. J. Wukome **		Degree Course in Commerce	India	Sept. 1982		Oct. 82
28.	Mr. M.M. Nzomo		Ind. & Digital System	UK	Oct. 1982	3	Sept. 83
29.	Mr. C.L.O. Otiso		Project Ide. & Invest. Promotion	Ireland	Oct. 1982	3	Sept. 83
30.	Mr. J.G. Chege †		M.Sc. Economics	UK	Oct. 1982	3	Sept. 83
31.	Mr. G. Muthia †		Masters' Degree Economics	UK	Oct. 1982	3	Sept. 83

** Return ticket paid from Project's budget.

TITLE... LP/REN/EC/001.....

CODE.....

PROJECT MANAGER: Mr. S.S. Ali.....

1982							FELLOWSHIPS BUDGET: US\$	
Serial Number	Names	Estimated	Field	Country	Departure	Duration (months) 1982	Return	
	Mr. W.K. Kiiru *		M.A. National Planning	Bradford, UK	1- 9-1981	8	Sept. 82	
	Mr. C.O. Kimidi *		M.I.A. Economics	Canada	Oct. 1981	10	Oct. 82	
				TOTAL in 1982:	27 fellowships;	77 months		

*) continuation from 1981

ANNEX - III (a)

TITLE..... DP/KEN/80/001.....

CODE.....

PROJECT MANAGER..... Mr. S.S. Ali.....

Year
1983 FELLOWSHIPS
BUDGET: US\$

Serial Number	Names	Estimated	Field	Country	Departure	Duration (months) 1983	Return
32.	Mr. S. Mwanangoro		Industrial Planning	Italy	January 1983	6	July 83
33.	Ms. E.D. Muche e		Planning and Appraisal of Ind. Projects	UK	January 1983	3	April 83
34.	Mr. S.N. Nyanwaya		Project Management	UK	January 1983	3	March 83
35.	Mr. N.K. Mando (I.D.B.)		Plant's Maintenance Introduction of Proj. Appraisal.	Ireland	May 1983	2	July 83
36.	Mr. N.C.O. Owaga		Promotion of Small Ind.	Ireland	June 1983	2	Aug. 83
37.	Mr. M.H. Fando		Project Appraisal	Ireland	July 1983	2	Sept. 83
38.	Mrs. R. Oyuko		Diploma-Library Sc.	Ohio, USA	August 1983	4	Aug. 84
39.	Mr. T.P. Mutiso		System Development	Ireland	October 1983	3	Sept.
	Mr. J.G. Chege *		M.Sc. Economics	UK	October 1982	9	Sept. 83
	Mr. G. Muthia *		M.Sc. Economics	UK	October 1982	9	Sept. 83
40.	Mr. W.K. Nderwa **		Textile Technology	Netherlands	30 Aug. 1983	3	30.11.83
	Ms. P.A. Dado *		Project Man. for local Development	UK	Sept. 1982	3	March 83
	Mr. C.G.M. Otao *		Technology & Testing of Const. materials	UK	Sept. 1982	3	March 83
41.	Mr. W.K. Kiiru **		Advance Techniques of foundry and Steel	Egypt	March 1983	1	April 83

*) Continuation from 1982

**) second fellowship

TITLE..... DP/KEN/80/001

CODE.....

ANNEX - III (f)

PROJECT MANAGER... Mr. S.S. Ali

Year 1983 FELLOWSHIPS BUDGET: US\$

Serial Number	Name	Estimated	Field	Country	Departure 1/ 1/83 - 31/12/83	Duration (Months)	Return
42.	Mr. G. Tuamwari **		Investment Promotion	Ireland	July 1983	2	Aug. 1983
	Mr. M.M.Nzomo *		Ind. & Digital System	UK	October 1982	9	Sept. 83
	Mr. C.L. Otiso *		Project Ids. & Invest. Promotion	Ireland	October 1982	9	Sept. 83
				TOTAL 1983:	11 fellowships; 73 months		

*) continuation from 1982
 **) second fellowship

TITLE..... DP/KEN/80/001.....

CODE.....

PROJECT MANAGER... Mr. S.S. Ali....

Year 1984	FELLOWSHIPS BUDGET: US\$						
Serial Number	Names	Estimated	Field	Country	Departure	Duration (months) 1984	Return
43.	Ms. R.V. Amadi (now in Attorney General's Office)		Development Lawyer's Course	Italy	March 1984	2	May 84
44.	Ms. E.D. Muchene		Industrial Information System	USSR (Moscow)	April 1984	2	June 84
45.	Ms. I.B. M'rabu		National Development & Project Planning	Bradford, UK	Sept. 1984	3	Sept. 85
36.	Mr. W. Ruku		Re-work and Repair of Circuit Boards and Electronic Assemblers	UK	31-11- 1984	1	24-1- 84
47.	Mr. D.G. Magwaro **		Cereal Processing Technology	Netherlands	28- 1- 1984	3	1-5- 84
48.	Mr. W. Kabecha **		Metallurgical Processes & Management	Birmingham, UK	21- 9- 1984	3	13-9- 84
	Mr. R. Oyoko *		Diploma Library Sci.	Ohio, USA	August 1983	8	Aug. 84
	Mr. T.P. Nythee *		Systems Development	Ireland	October 83	9	Sept. 84
				TOTAL 1984:	6 fellowships;	31 months	

*) continuation from 1983

**) second fellowship

TITLE..... DP/KEN/80/001

CODE.....

ANNEX - III (h)

PROJECT MANAGER..... Mr. S.S. Ali/
Mr. M.F. Husny

Year
1985
and following
years

FELLOWSHIPS
BUDGET: US\$

Serial Number	Names	Estimated	Field	Country	Departure	Duration (months)	Return
49.	Ms. J. Wachira		Planning & Appraisal of Industrial Projects	UK	16- 1-1985	3	6- 4-85
50.	Ms. J. Njunguri		" "	UK	" "	3	"
51.	Ms. Janet Kaluhi		Extension Services	Netherlands	16- 7-1985	12	14-12-85
52.	Mr. W.A. Mwanba		Extension Services	Netherlands	6- 8-1985	5½	Dec. 85
53.	Mr. A.R. Gacuhi		Environmental Assessment & Management aspects of Air & Water Pollution from Industry.	Belgium	5- 8-1985	1½	13- 9-85
54.	Mr. F.L. Pertet		Planning & Appraisal of Agro-Industrial Projects	UK	Jan. 1986	3	March 86
	Ms. I. M'Rabu *		National Development and Project Planning	UK	Sept. 1984	9	22- 9-85
	Mr. W.W. Kabecha *		Metallurgical Processes and Management	UK	21- 9-1984	9	13- 9-85
	Mr. W. Ruku *		Re-work & Repair of Circuit Board and Electronic Assemblers	UK	31-11-1984	2	22- 2-85
55.	Mr.C.G.M. Onao **		MSC Construction Technology	UK	Sept. 1985	12	1-10-86

*) continuation from 1984
**) second fellowship

ANNEX - III (1)

Mr. S.S. Jii/
Mr. M.F. Husny

TITLE..... DP/KEN/80/001

CODE.....

PROJECT MANAGER.....

Year 1985 (cont.) and following years								
FELLOWSHIPS BUDGET: US\$								
Serial Number	Names	Estimated	Field	Country	Departure	Duration (Months)	Return	
56.	Miss E.N. Kariithi **		Project Appraisal, Implementation & Promotion of small scale industries	UK	1- 9-1985	2	25-10-85	
57.	Mr. G.W. Muthia **		Project Appraisal	UK	8- 4-1985	3	28- 6-85	
58.	Ms. E.D. Muchene **		Finance Management	Netherlands	17- 7-1985	5 1/2	31-12-85	
59	Mr. G.M. Muryao **		Plastic Technology	Austria	30- 9-1985	1 1/2	8-11-85	
60.	Mrs. C.A. Ware **		Implementation & Management of Industrial & Infrastructural Projects	UK	23- 9-1985	3	14-12-85	
61.	Mr. A.N.O. Nuga **		Industrial Economics (MSc)	UK	1-10-1985	24	30-9-87 ^{1/}	
			TOTAL 1985 and following years: 13 fellowships; 99 months					
			PROJECT TOTAL (1981 - 1987): 61 fellowships; 293 months					

**) second fellowship 1/ despite reminders no information on results and return provided.

PROJECT EQUIPMENT

&

REFERENCE MATERIALS

A. Transport Equipment

Peugeot 204 Reg. No.	40UN19CK	-	71	UNDP authorised to sell vide PSE Meeting No.55 dated 13/5/83
" 404 "	" 40UN24CK	-	71	-do-
" 504 "	" 40UN398K	-	78	Assigned for use by UNIDO Experts
" " "	" 40UN399K	-	78	Assigned for use by counterparts & Project
" " "	" 40UN440K	-	80	-do-
" " "	" 40UN433K	-	80	-do-
" " "	" 40UN441K	-	81	-do-

B. Typewriters

Model IBM Selectric Serial No.0345428	-	70	Under transfer to the Ministry
Model IBM Standard Electric 17" carriage, Sr. No.0295272	-	71	" " " " "
Model IBM Standard Electric 17" carriage, Sr.No.342914 Courier Type	-	73	" " " " "
IBM Selectric with automatic correction, Sr.No.6519467	-	78	" " " " "
IBM Selectric with automatic corrector. Sr. No.895-582-007 55	-	78	Stolen and written off
IBM Selectric with automatic corrector. Sr. No. 895-58-160 -2689	-	80	Under use by Project Secretaries
IBM Selectric with automatic corrector. Sr. No. 895-58-160- -2690	-	80	" " " " "
IBM Selectric with automatic corrector Sr. No. 895-58-160- -2691	-	80	" " " " "
Electronic Typewriter Rank Xerox 610 - Sr.No.M45828	-	83	Under use in the Library

C. Library Equipment & Reference Materials

Printing Calculator Type Victor	- 71	Being used for the Library.
Lateral Cupboard Shutter Type	- 78	
Cardex Cabinet 8' x 5' Remington Rand	- 75	
Magazine Rack 3' x 7' Mecol Ltd.	- 75	
" " 3' x 10½' " "	- 76	
Library Bookshelves 3' x 10½' Mecol Ltd.	- 76	
Steel Cupboard 3' x 6' x 1½'	- 75	
" " " " "	- 76	
4 Drawer Filing Cabinet	- 77	
Library Desk	- 78	
Combo Spiral Binding Machine	-	
168 Shelves with Brackets	- 81	
17 Single posts 7" high	- 81	
10 Double posts 7" high	- 81	
21 Bottom Braces	- 81	
13 Single Top Panels	- 81	
8 Double Top Panels	- 81	
1000 Pamphlet files	- 81	
Book Register No. 1/83	- 82	
Periodicals for 1981 to 1984	-	
References and other documents	-	Total over 5000

D. CTA's Office - Agro-Industries Sector

3 Hand Refractometers 15/8/1985 (Ranges 0-32%, 28-62%, 58-90% tss) for use in field-work to measure % total sugar in fruit juices, jam, syrups etc.

4th. Dec. 1985

MFH/bn