



OCCASION

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



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 <u>publications@unido.org</u> for further information concerning UNIDO publications.

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





الهنظهة العربية للتنهية الصناعية والتعدين

FINAL REPORT
OF A WORKSHOP TO ASSESS THE
TECHNICAL ASSISTANCE NEEDS
OF SUGAR INDUSTRY IN THE ARAB REGION
CAIRO, EGYPT, 2-5 DECEMBER 1995

FINAL REPORT OF A WORKSHOP TO ASSESS THE TECHNICAL ASSISTANCE NEEDS OF SUGAR INDUSTRY IN THE ARAB REGION CAIRO, EGYPT, 2-5 DECEMBER 1995

The workshop on "The Present and Future Status of Sugar Industry in the Arab Region" was held in Cairo, Egypt from 2nd to 5th December 1995, at the Management Development Center for Industry under the patronnage of His Excellency Dr. Atef Abeid the minister of General Public Entreprise Sector and State for Administrative Reform and Environmental Affairs, and His Excellency Dr. Ibrahim Fawzi Abd El Wahid, the minister of Industry and Mineral Wealth, with a view to studying the present status of sugar plants in the Arab region, analyzing factors affecting productivity, quality and self-sufficiency in sugar and also to propose appropriate means to develop the status of this sector on agricultural and industrial level through development of production process and utilization of raw materials, transfer of technology and economic utilization of by-products to achieve better economic production.

The workshop was organized by the Arab Industrial Development and Mining Organization, jointly with the concerned Arab and international bodies as follows:

- Sugar and Integrated Industries Company (S.I.I.C), Cairo, Egypt.
- The League of Arab States.
- Islamic Development Bank (IDB).
- United Nations Industrial Development Organization, (UNIDO).
- Economic and Social Committee for Western Asia (ESCWA).
- Arab Organization for Agricultural Development (AOAD).

Eighty participants attended the workshop, presenting ministries of industry, agriculture and sugar industries in the following countries (Jordan, Tunisia, Algeria, Saudi Arabia, Sudan, Syria, Iraq, Oman, Egypt, and Morocco), in addition to representatives from Islamic Development Bank, UNIDO, ESCWA, World Sugar Organization, Arab Organization for Agricultural Development, the Arab Authority for Agricultural Investment and Development, the Inter-Arab Investment Company and other Arab companies concerned with sugar consumption together with AIDMO (Annex N°1 (List of Participants).

In the opening ceremony, Dr. Atef Abeid the minister of the General Public Entreprise Sector and State for Administrative Reform and Environmental Affairs focussed on the Arab remarkable growing of sugar consumption and that forcasting demand will accordingly multiply in the coming ten years, which requires excessive effort and recurrent important investments on the part of Arab countries to overcome the situation.

His Excellency had also stated that Egypt has a technological base for sugar industry dates back to more than 100 years, and is composed of an industry base endowed with sufficient skills for producing spare parts and capital goods for this industry, in addition to research and development and its important role in offering more products through utilization of by-products aiming at improving the economies of production.

His Excellency showed the Egyptian interest in transferring its skills in the sugar sector to all brother countries, if needed.

His Excellency had also insisted on the need to explore raw materials alternatives along with their better exploitation and to propose other different alternatives for optimizing water utilization.

He also clarified that the seasonal operation of plants is greatly influencing the economies of the sugar industry.

In this context, the Egyptian experience urged on utilization of the equipments for a long period of the year through an off seasonal refining of raw sugar during the remaining months of the year.

His Excellency had at last dealt with the issue of pollution caused by sugar industry and also discussed the importance of by-products utilization for producing new valuable products and solving the environment contaminant problems.

Dr. Fawzi Abdlwahid, the minister of Industry and Mineral Wealth in Egypt had on his part treated the importance of the means of coordination in the field of information and statistics related to Arab and World sugar industry and also the importance of utilizing existing capacities and proposing appropriate ways for better utilization of by-products. He, moreover stressed on the importance of establishing a schedule for improving the quality of product.

His Excellency pointed out that sugar industry is amongst the basic sectors embracing the strategic sectors because of their interest they are according to Arab food security.

Arab countries are, moreover, endowed with technical skills and qualifications and capabilities that may enable them to foster the Arab sugar industry and other related industries to have the incentives of exporting their products instead of importing them.

The following participants in the opening ceremony:

- Eng. Adil Al shahawi → Chairman, Holding Company for Food Industries
- Eng. Mohamed Abdel Al Khalif → Chairman, Sugar and Intergrated Industries Company
- Mr. Kamal Senada ⇒ The League of Arab States representative.
- Eng. Abd Elmajid Benan ⇒ The Islamic Development Bank representative.
- Mr. Miranda Da Gruz ⇒ United Nations Industrial Development Organization representative.
- Mr. Issam Hanafi ⇒ Arab Industrial Development and Mining Organization representative.

discussed the importance of sugar industry in the Arab region which was established in the late twenties and experienced remarkable development during the sixties in many Arab countries and which production of white sugar reached 1-5 m .tons from the sugar cane and 622 thousand tons of imported raw sugar in 1993.

They stressed on the Arab region requirement of sugar which reached 6-4 m.tons and with a value of 2.23 billon \$ in 1993; which means that the Arab region imported about 4.3 million tons for the same year to meet its sugar demand. That is, the Arab self- sufficiency was 33% and is expected to be reduced to 23% in 2005 unless excessive measures are taken to reduce the gap betwen demand and production.

This is due to raw-material crops shortage firstly, and to low percentage of sugar recovery and also to un-utilization of by- products.

All the speakers emphasized the importance of this workshop which raises satisfaction and expressed their wish to come out with applied recommendations, setting up the main outline of a workplan and executive programmes ready for the achievement of efficiency increase and reinforce the path of development with a view to reaching high level of self-sufficiency.

The workshop is composed of five sessions (Annex (2) workshop programme) as follows:

I- $1^{\underline{st}}$ and $2^{\underline{nd}}$ session:

The 1st and 2nd session shed light on the sugar industry in Arab region and in the World and country papers of (Egypt, Syria, Sudan, Algeria, Morocco, Iraq and Tunisia).

They discussed the following topics:

- 1- The status of the sugar crops and the cultivated areas.
- 2- Production capacities of sugar industries.
- 3- By-products and their utilization.
- 4- Demand for sugar.
- 5- Refined and imported raw sugar.
- 6- Maintenance and spare parts.
- 7- Manpower.
- 8- Specification and quality control.
- 9- Research and development.
- 10-Environmental impact.
- 11-Problems and obstacles.
- 12-Future plans.

The paper entitled "Lights on the World of Sugar Industry in the Arab Region and in the World" focussed on sugar crops in the world and the world production of raw sugar together with Arab and international sugar trade.

II- 3 rd session:

The 3rd session consisted of the following regional papers:

1- The present status and the development of agricultural part of the sugar sector in the Arab region.

- 2- The present status and the development of industrial part of the sugar industry in the Arab region.
- 3- Problems and obstacles and the required technical assistance.

These papers pointed out that Arab sugar plants are consuming all the forwarded sugar crops and that the shortage of these crops leads to the decrease of efficiency utilization of sugar plants in Syria and Tunisia to 44%.

The sugar plants in Sudan received 70% of its requirement from sugar crops while sugar plants in Morocco and Egypt did not receive more than 82% of this requirement. This is mainly due to other competitive crops requiring less effort and are more profitable, which requires conducting diagnostic studies aiming at establishing appropriate pricing policies.

The papers added that some sugar plants are equipped with advanced techniques while others are still using obsolete ones.

Concerning the percentage of sugar recovery, the papers pointed that the percentage of recovery in the cultivated crops in the Arab countries is lower than the percentage of sugar recovery in the European countries.

The papers stressed also on some of by-products revenues which are higher than sugar production revenues. As for spare parts, the Arab sugar plants are consuming spart parts estimated to 60 million \$ /year and that some Arab plants import 90% of their requirement of spare parts while some of other plants' importation of spare parts does not exceed 10%.

The papers pointed out that at present the Arab self-sufficiency of sugar does not exceed 33% and that it will be lowered to 23% by 2005. This requires excessive efforts and regular coordination between workers in that sector in the field of utilization of the available capacities, importation of raw sugar, transfer of technology, spare parts production, preparation of studies, exchange of experiences, research and development, benefit from research centres existing in some countries, in addition to identification of fields in need of technical assistance with a view to increasing effeciency and reaching high level of self- sufficiency. Taking into account, that important developing programmes are set up in some Arab sugar plants especially in Egypt and Morocco which witnessed a high increase in production capacity and, the percentage of sugar contents. They also successed in improving their potentials to attain self-sufficiency in industrializing and developing equipments, spare parts, and started exploiting by- products in order to produce new, required and high economic value products.

They also successed in establishing advanced training and research centres.

4th Session:

Special papers were presented in this session, as follows:

1) The Impact of the International Agreements on Sugar Trade.

The paper focusses on the agreed upon topics during the meetings of April 1995 and expected policies for implementation at the international level and their impact on product and Arab economy especially on sugar. The paper presents the means that should be taken to overcome these changes. The paper also discusses

the importance of Arab countries' participation (governments, authorities, public and private institutions) in World Sugar Organization, and that the impact of GATT Agreements on sugar trade is insignificant.

2) Optimal Utilization of Water in Sugar Cane Cultivation:

The paper emphasizes the dangers threatening the World because of the shortage of waters and the measures taken by the Egyptian Company for Sugar and Integrated Industries to overcome this problem in the future, stating that sugar cane requires high irrigation water. Among these measures, conducting studies on modern irrigation techniques to reach high quality results and to use the most economical means for water consumption.

3) Activities of Arab Authority for Agricultural Investment and Development in the Field of Sugar Crops Production and Industrialization.

The paper explains the importance of sugar crops and future activities, measures and plans assigned to the above mentioned authority in cooperation with related organizations to improve efficiency utilization.

4) Seeds Improvement Processing and their Impact on Acre Productivity.

The Paper stresses the need of conducting studies on sugar crops breeding and improved seed by researchs undertaken by the Sugar and Integrated Industries Company.

5) <u>Improvement of the Maintenance Management in the Egyptian Sugar</u> Company and Integrated Industries.

The paper presents the maintenance systems in sugar plants and studies carried out in this field by the company and findings achieved after the application of integrated maintenance systems including preventive and planned maintenance and maintenance by condition monitoring, and improvement and rehabilitation measures.

6) - Application of ISO 14001 Environmental Protection:

The paper states the importance of environmental protection from sugar by-products which polluted the environment by the application of total management system and adoption of ISO 14001; together with the importance of the treatment and production of these by-products.

A FIELD VISIT:

The participants in the workshop conducted a field visit to the National Company for Corn Products and they followed- up an analytical explanation presented about the company's objectives and also about its important role in meeting the requirements of various institutions and companies utilizing sugar. The participants had also discussed the economies and the importance of fractose production, and examined productivity process and the company's working system.

5th Session:

Discussion and establishment of the workshop recommendations stated as follows:

RECOMMENDATIONS:

1) **SUGAR RAW MATERIALS**:

- 1- To encourage a high quantity and quality of sugar crops cultivation, pricing policies should be set up taking into account the cultivators revenues in comparison with other agricultural products, provided that the price is suitable for the quality and quantity available. This, therefore, requires conducting studies and recurrent field researchs by the Arab sugar companies in cooperation with concerned authorities.
- 2- AIDMO in cooperation with Arab and international organizations are assigned to stress on the establishment of agro-industrial complexes in the Arab countries which are suitable for establishment of such industry.
- 3- Further care should be accorded to agricultural crops to increase productivity per/acre by considering the fertilizers requirements, irrigation schedule, control of diseases and weeds, follow-up of crops growth, sugar cane cuttings, and picking up of core seeds according to the periodical analysis, and transportation of the crops to the plants in the same day.

2) <u>UTILIZATION OF AVAILABLE CAPACITIES:</u>

Coordination between the concerned Arab bodies in the refining sugar plants is required to utilize the available capacities, with a view to exporting sugar to the Arab countries which have a shortage of refining capacities in accordance with the economic utilization of the equipment and the product and in comparison with imported sugar as final product or establishment of raw sugar refineries plants.

3) TRANSFER OF SKILLS AND MODERN TECHNIQUES:

Exchange of technical skills related to sugar industry and by-products between Arab sugar producing countries in the field of agriculture, industry and other related fields such as research and development of current and new products, costs and formation of technical staff in addition to capital equipment production and the spare parts.

4) **BY-PRODUCTS UTILIZATION**:

Conducting technical and economical studies on by-products utilization and production of new profitable products taking into consideration the comparative incentives and the advantage of the Egyptian Company for Sugar and Integrated Industries' experience in this field.

5) **CONSUMPTION OPTIMIZATION**:

In order to minimize the production cost and increase product economies, it is recommended to optimize consumption and waste in irrigation and fertilizing operations taking advantage of field waste, in addition to optimization of water consumption during production process through utilization of closed circuit, decrease of sugar products waste and optimization of steam and electric consumption by using capacities to increase the power factor.

6) RESEARCH AND DEVELOPMENT:

a) In the field of agriculture:

- Obtaining developed and improved strains from sugar cane and sugar beet.
- Increase the productivity of various kinds of commercial sugar cane.
- Diagnose and analyse all diseases and pest hazards facing sugar crops, and setting up ways to overcome them.
- Identify factors influencing the growth and waste of sugar contents.

b)- In the field of industrial processing:

- Improvement of industrial processing to increase productivity, reduce losses and utilization of modern technological techniques.
- To obtain new varieties of sugar industry products and their by- products.

7- STANDARDIZATION AND QUALITY CONTROL:

- 1- With the requirement of the new global market mechanisms of sugar products and by-products conformity to the international standardization (ISO), all Arab companies are accordingly requested to obtain certification conformity to the total quality management system and to benefit from the gained experiences of the Sugar and Integrated Industries Company.
- 2- Issuance of unified Arab standards for raw materials, final products and byproducts together with an establishment of quality control manuals.

8-MAINTENANCE AND SPARE PARTS:

Taking advantage of the Arab experiences in the field of the application of preventive maintenance systems and the spare parts production.

9- ENVIRONMENTAL PROTECTION:

The existing Arab sugar plants are accorded the task of treating the polluted water and air aiming at achieving a non-polluted industry through treatment of the following:

- Factories drainage
- Utilization of filter clay
- Utilization of by-products to produce more valuable products.

10- THE GAP BETWEEN DEMAND AND THE ARAB PRODUCTION:

To reduce the gap between demand and Arab production, AIDMO is entrusted, jointly with organizations, federations and related companies to define investment opportunities and prepare project profiles about sugar industry and promotion of these projects with the Arab investors and funds.

11- ARAB COORDINATION:

- 1- Arab coordination between sugar plants in the Arab states is very important especially in the following fields:
 - Importation of raw sugar
 - Supply of spare parts and capital equipments.
 - Maintenance, rehabilitation and capital equipment manufacturing.
 - Research and development
 - Exchange of information
 - Re-utilization of by-products
 - Standard specification and preparation of quality control manuals.
- 2- To call the League of Arab States for activating and supporting the Arab Federation for Sugar to carry out its duties all over the Arab region.
- 3- To call for the support of the National Committee for Sugar and to call companies and bodies working in the field of sugar to join the committee.
- 4- Arab companies are strongly recommended to join the World Sugar Organization for the services it may forward to companies in terms of consolidation and reinforcement of sugar trade economies.

12-TECHNICAL ASSISTANCE:

To increase the production capacities and efficiencies of sugar industry existing in Arab countries, the following issues have to be taken into account:

a) TRAINING:

Training of the technical staff working in sugar crops cultivation and sugar industry especially the ones related to maintenance operations and production management in the following countries: Tunisia, Algeria, Syria, Sudan, Iraq and the Egyptian and Moroccan sugar plants.

b) TECHNICAL ASSISTANCE:

- 1- To provide specialized experts in sugar cultivation for Syria, Tunisia and Iraq to reinforce the quality of sugar beet crop by offering encouraging incentives to cultivators.
- 2- Providing specialized experts in sugar cane cultivation to assist Sudan and Iraq in developing sugar cane fields and agricultural research centres.
- 3- Providing specialized experts in sugar production technology to assist Sudan, Iraq, Algeria and Syria to improve and develop production and productivity in quality and quantity.

4- Providing specialized experts in research centres requirements in Morocco and Egypt in order to carry out researchs dealing with by-products utilization.

C- FINANCIAL ASSISTANCE:

Extra financial assistance is needed for the rehabilitation process of the existing sugar plants in the Arab region, and also for providing the required spare parts and equipments which may enable the plants to refine raw sugar during sugar cane and sugar beet off season with the aim of improving the economies of production.

The concerned Arab companies are, therefore, required to prepare project profiles and details about the financial assistance needed to enable the Arab industrial development organizations, federations, institutions, banks and funds to examine the required financial potentials and possibility of their accomplishment.

The number and the technical levels of the trainees will be defined together with time, duration of training and the technical assistance, in coordination with related companies and AIDMO and jointly with UNIDO, IDB, ESCWA, the Egyptian Company for Sugar and Integrated Industries and the Moroccan companies.

13. The Arab Industrial Development and Mining Organization in cooperation with other organizations and institutions are entrusted to follow-up the workshop recommendations.

THANKS AND ACKNOWLEDGMENT

At the closure of the recommendations, the participants agreed to pay tribute to His Excellency Dr. Atef Abeid, the minister of General Public Entreprise Sector and the State for Administrative Reform and Environmental Affairs and His Excellency Dr. Ibrahim Fawzi Abdl Wahid, the minister of Industry and the Mineral Wealth for opening the workshop and for the fruitful instruction they presented during the opening speech.

They also expressed their thanks to Engineer Mohamed Abdel Al Khalif, chairman of the Sugar and Integrated Industries Company and to his technical and managerial assistants for their scientific and technical contributions, the good organization and the warm reception which made this conference successful.

They also expressed their thanks to His Excellency General Mohamed Ahmed Hussein, the director of Management Development Center for Industry and his assistants for the facilities they offered to the workshop.

(ANNEX N°1)

LIST OF PARTICIPANTS IN THE WORKSHOP OF "THE PRESENT STATUS OF THE SUGAR INDUSTRY IN THE ARAB REGION" CAIRO 2-5/12/1995 HELD AT THE MANAGEMENT DEVELOPMENT CENTER FOR INDUSTRY

COUNTRY / INSTITUTION	NAME	POSITION
JORDAN	Mr. Yahya Elalami	Director General, The Production Company at the Jordanian Industrial and Commercial Company
TUNISIA	Mr.Zakaria Hamad	Director, Plant Products Transformation Food Industries Department
	Mr.Abdel Aziz Aliyat	Chairman, Tunisian Sugar Complex
	Mr.Mohamed Mounsif Al Roubai	Chairman, Tunisian Company for Sugar
ALGERIA	Mr.Belkasah Mohamed AŲ Ramadan	Director General, The National Establishment For Sugar
	Mr.Mohamed Lasib	Production Manager
	Mr.Darif El Twani	Chemical Specialist
SAUDI ARABIA	Mr.Mohamed Ben Ali Al Koud	Engineer, Saudi Consulting House
	Mr.Mazin Abdellah	Engineer, United Sugar Company(SAFOULA)
SYRIA	Mr.Issa Ibrahim	Technical Affairs Director, General Establishment for Sugar
	Mr.Mounir Farah	Production Director, General Establishment for Sugar
	Mr.Mohamed Amine Haddad	Director, Agricultural Division at the General Establishment for Sugar

		<u> </u>
	Mr.Adnan Ben Mohammed	Director,
	Izat	Food Industries
	Mr.Abdellah Ben	Chairman,
	Mohamed Soubhi	Sugar Industries Association
	Mr.Haitham Hicham	Member of the General Union
		Board for Sugar
	Mr.Mohamed Nour Eddine Salkini	Sugar Products Industrialist
	Mr. Walid El Khani	Food Industries Consultant
SUDAN	Mr.Othman Elnadir	Director General,
		Kenana Sugar
	Mr. Awad Elkarim Hussein	Expert,
	Mekki	Kenana Sugar Company
	Mr.Hamad Ali Hamad	Expert,
		Ministry of Industry
IRAQ	Mr.Falah Said Jebr	Secretary General,
`		Arab Federation for Food
•		Industries
	Mr.Nasir Ibrahim Hassan	Chief Engineers,
	Wil. Nasii Totalilii Hassaii	The Ministry of Industry and
		Minerals
	Mr.Kayoun Ali Hussein	Chief Engineers,
		Sugar Company
	Mr.Mounib Youness Fathi	Agricultural Engineer,
		Sugar Company
Oman	Mr.Khatim Ben Khamiss	Director General,
	ElMaamri	Agriculture Management for
		Animal and Fish Resources
	Mr.Hamad Seif Nassir	Director General,
	ElMaamri	Ibn Elorouba Establishment for
	Eliviaamii	Trade and Entreprise
EGYPT	Mr.Mohamed Abdellah	Chairman,
LOTT	Khalif	Sugar and Integrated Industries
	Kilain	Company
	Mr.Abdelhalim Mohamed	Advisor,
	Wil. Addemanni Widnamed	Sugar and Integrated Industries
		Company
	Mr.Salam Fath Ellah	Director,
	Shewil	Industrial Production Affairs,
	Shewh	1
		Sugar and Integrated Industries
		Company

	Mr.Salam Fath Ellah Shewil	Director,
	1vii. Salain i am Chan Shewii	Industrial Production Affairs,
		Sugar and Integrated Industries
	1	1 -
	M. Didam Hartal	Company
	Mr.Ridwan Hankal	Director,
ļ		Agricultural Production
		Affairs,
		Sugar and Integrated
		Industries Company
	Mr.Abbas Hilal	Director General,
ļ		Agricultural Production Affairs
		at the Sugar Company
	Mr.Ali Hassan	Director General,
		Sugar Production at the Sugar
		Company.
·	Mr.Mhamdi Yassin Mohamed	Director General of
		Fermentation,
		Sugar Company
	Mr.Sabri Aziz	Project Affairs Acting
		Director,
		Sugar and Integrated Industries
	}	Company
	Mr.Abderrazak Hanafi	Mechanical Engineering
		Director General,
		Sugar and Integrated Industries
	Mr. AbdelHamid Fawzi	Refining Plants Director,
		Sugar Company
	Mr.George Najib Chahalah	Director General,
	The state of the s	Production Researchs,
1	{	Sugar Company
	Mr.Mahmoud Darwich	Director General,
	The state of the s	Sugar and Refinement
		Researchs, Sugar and
		Integrated Industries Company
	Mr.Hassan Ahmed Jad	Director General,
	1411.11435411 Allilled Jau	Production Affairs at the Sugar
		and Integrated Industries
1		-
	Mr Adol Abdolllowid	Company
	Mr.Adel AbdelHamid	Director,
		Industrial Operations Research
		Center at the Sugar and
		Integrated Industries Company

Mr.Abdenasser Mohamed	Expert, Sugar and Integrated Industries Company
Mr.Ahmed Abdelmounim Zaki	Production Director General, Refinement Plants at the Sugar Company
Mr.Diyai Ibrahim Daoud	Deputy Director, General Relations at the Sugar and Integrated Industries Company
Mr.Ali Ibrahim Qutb	Director, Refining Plants and Chemicals Affairs, Sugar and Integrated Industries Company
Mr.Rifaat Ismail Ibrahim	Holding Company for Food Industries
Mr.Abdessattar Sulaiman	Director, Technical Sectors, Holding Company for Food Industries
Mr.Mohamed Asaad	Advisor, Holding Company for Food Industries
Mr.Aniss Abdelaziz	Director, Research and Quality Sector, Holding Company for Food Industries
Mr.Naji Iskandar	Director General, Holding Company for Food Industries
Mr.Ali Azz El Arab Badr Eddine	Director, Marketing Sector, Holding Company for Food Industries
Mr.Mohamed Abdelfattah Mohamed	Director, Production Sector, Holding Company for Food Industries
Mr.Mohamed Chaouki Abdelwahab	Chairman and Deputy Manager, Dakahlia Company for Sugar
Mr.Abdelmajid Mohamed ElGhaich	Director General, The National Company for Corn Productions
Mr.Abdelhamid Mustapha Salama	Chairman and Deputy Manager, Delta Sugar Company

Hatab Delta Sugar Company		Mr.Ibrahim Hussein Abu	Expert,
Mr. Amine Assaid Youssef Mr. Mohamed Mustapha Etabak Mr. Abdessalam Ajouz Mr. Mr. Jamal Said Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Etahiri Mimoun Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Azz ElArab Loudyi Mr. Abdellahif Mr. Abdellahif Mr. Azz ElArab Loudyi Mr. Abdellahif Mr. Abdellahif Mr. Azz ElArab Loudyi Mr. Abdellahif Mr. Abdellahif Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdell			
Mr.Mohamed Mustapha Etabak Mr.Abdessalam Ajouz Mr.Abdessalam Ajouz Mr.Mr.Jamal Said Mr.Abdellah Abdedaim Mr.Abdellah Abdedaim Mr.Rajaa Said Labib Mr.Rajaa Said Labib Mr.Tarik Saad Zaghloul Mr.Tarik Saad Zaghloul Mr.Ezakkari Mohamed Mr.Ezakkari Mohamed Mr.Azz ElArab Loudyi Mr.Abbadi Abdellatif Mr.Aabellah Benan Mr.Abdelmajid Benan Mr.Abdelmajid Benan Mr.Abdelmajid Benan Mr.Peter Baron Mr.Abdelman Director, Department of Economic Chief Executive, World Sugar Chief Executive, World Sugar Chief Executive, World Sugar Chief Executive, World Sugar Organization(London) ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL			and a garage of the garage of
Mr. Mohamed Mustapha Etabak Mr. Abdessalam Ajouz Mr. Abdessalam Ajouz Mr. Mr. Jamal Said Expert, Delta Sugar Company Expert, Delta Sugar Company Mr. Mr. Jamal Said Expert, Delta Sugar Company Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Tarik Saad Zaghloul Mr. Ettahiri Mimoun Mr. Ettahiri Mimoun Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdellatif Mr. Kamel Senada Mr. Kamel Senada Director, Department of Arab Cooperation ELEAGUE OF ARAB STATES Mr. Abdelmajid Benan Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) ARAB CORPORATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		Mr.Amine Assaid Youssef	Expert,
Mr. Mohamed Mustapha Etabak Mr. Abdessalam Ajouz Delta Sugar Company Expert, Delta Sugar Company Mr. Mr. Jamal Said Expert, Delta Sugar Company Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Tarik Saad Zaghloul Mr. Etahiri Mimoun Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdelmajid Benan ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION AGRICULTURAL Mr. Mohamed Othman CORPORATION FOR AGRICULTURAL Expert, Delta Sugar Company Under-secretary of State, Ministry of Agriculture, Board of Sugar Crops Director, Food Projects Department, General Organization for Industry Arab Organization for Industry Engineer, AGA Engineering Company Chief, Agricultural Division for Research , Studies and formation at the Sugar Institute KOSOUMAR Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			, <u>-</u>
Etabak Delta Sugar Company		Mr. Mohamed Mustapha	
Mr. Abdessalam Ajouz Mr. Mr. Jamal Said Mr. Mr. Jamal Said Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Etrahiri Mimoun Mr. Etrahiri Mimoun Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abdedi Abdellatif Mr. Kamel Senada Mr. Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		1	
Mr. Mr. Jamal Said Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Etahiri Mimoun Mr. Etahiri Mimoun Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Abdadi Abdellatif Mr. Abdadi Abdellatif Mr. Abbadi Abdellatif Mr. Kamel Senada Mr. Abdelmajid Benan Mr. Abdelmajid Benan Mr. Abdelmajid Benan Mr. Peter Baron Chief Executive, World Sugar Organization (London) ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		Mr.Abdessalam Ajouz	
Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Rajaa Said Labib Mr. Rajaa Said Labib Mr. Tarik Saad Zaghloul Mr. Tarik Saad Zaghloul Mr. Etahiri Mimoun Engineer, AGA Engineering Company Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdellatif LEAGUE OF ARAB STATES ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ROBING ARAB STATON ROBING ARAB Elkarouri Delta Sugar Company Under-secretary of State, Ministry of Agriculture, Board of Sugar Crops Director, Food Projects Department, General Organization for Industry Engineer, AGA Engineering Company Chief, Agricultural Division for Research , Studies and formation at the Sugar Institute KOSOUMAR Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			Delta Sugar Company
Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Abdellah Abdedaim Mr. Apple Agriculture, Board of Sugar Crops Mr. Rajaa Said Labib Director, Food Projects Department, General Organization for Industry Mr. Tarik Saad Zaghloul Mr. Etahiri Mimoun Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Abdellatif Ministry of Agriculture Mr. Abbadi Abdellatif Ministry of Agriculture Mr. Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		Mr.Mr.Jamal Said	Expert,
Ministry of Agriculture, Board of Sugar Crops Mr.Rajaa Said Labib Director, Food Projects Department, General Organization for Industry Mr.Tarik Saad Zaghloul Mr.Ettahiri Mimoun Mr.Ezakkari Mohamed Mr.Ezakkari Mohamed Mr.Ezakkari Mohamed Mr.Azz ElArab Loudyi Mr.Azz ElArab Loudyi Mr.Abbadi Abdellatif Mr.Aaba STATES ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Aaid Zaghloul Arab Organization for Industry Arab Organiza		A THE SAIL	Delta Sugar Company
Mr.Rajaa Said Labib Mr.Rajaa Said Labib Mr.Rajaa Said Labib Director, Food Projects Department, General Organization for Industry Mr.Tarik Saad Zaghloul Mr.Ettahiri Mimoun Engineer, AGA Engineering Company Mr.Ezakkari Mohamed Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr.Azz ElArab Loudyi Mr.Abbadi Abdellatif Mr.Kamel Senada Mr.Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Rajaa Said Labib Director, Food Projects Department, General Organization for Industry Arab Organization for Industry Krob Organization for Industry		Mr. Abdellah Abdedaim	Under-secretary of State,
Mr.Rajaa Said Labib Mr.Rajaa Said Labib Director, Food Projects Department, General Organization for Industry Mr.Tarik Saad Zaghloul Arab Organization for Industry Mr.Etahiri Mimoun Engineer, AGA Engineering Company Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr.Azz ElArab Loudyi Mr.Abbadi Abdellatif LEAGUE OF ARAB STATES Mr.Kamel Senada Mr.Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		}	Ministry of Agriculture,
Food Projects Department, General Organization for Industry Mr. Tarik Saad Zaghloul Arab Organization for Industry MOROCCO Mr. Ettahiri Mimoun Engineer, AGA Engineering Company Mr. Ezakkari Mohamed Chief, Agricultural Division for Research , Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi KOSOUMAR Sugar Mr. Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES Mr. Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL			Board of Sugar Crops
General Organization for Industry		Mr.Rajaa Said Labib	, ·
Mr. Tarik Saad Zaghloul Mr. Ettahiri Mimoun Engineer, AGA Engineering Company Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Mr. Azz ElArab Loudyi Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdellatif Mr. Kamel Senada Mr. Kamel Senada ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL INTERANTIONAL Mr. Mr. Mohamed Othman Elhassan Elkarouri Industry Arab Organization for Industry Engineer, AGA Engineering Company Chief, Agricultural Division for Research , Studies and formation at the Sugar Institute KOSOUMAR Sugar Director, Department of Arab Cooperation Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work	·		
Mr. Tarik Saad Zaghloul MOROCCO Mr. Ettahiri Mimoun Engineer, AGA Engineering Company Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Kamel Senada ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr. Tarik Saad Zaghloul Arab Organization for Industry Engineer, AGA Engineering Company Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute KOSOUMAR Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			-
MOROCCO Mr. Ettahiri Mimoun Engineer, AGA Engineering Company Mr. Ezakkari Mohamed Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Mr. Abbadi Abdellatif LEAGUE OF ARAB STATES Mr. Kamel Senada ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr. Ettahiri Mimoun Engineer, AGA Engineering Company Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute KOSOUMAR Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			
AGA Engineering Company Mr. Ezakkari Mohamed Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES Mr. Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL		 	
Mr. Ezakkari Mohamed Mr. Ezakkari Mohamed Chief, Agricultural Division for Research, Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi KOSOUMAR Sugar Mr. Abbadi Abdellatif Ministry of Agriculture Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr. Ezakkari Mohamed Chief, Agricultural Division for Research, Studies and formation at the Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work	MOROCCO	Mr.Ettahiri Mimoun	1 9 7
Agricultural Division for Research, Studies and formation at the Sugar Institute Mr.Azz ElArab Loudyi KOSOUMAR Sugar Mr.Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES ARAB STATES ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION Elhassan Elkarouri Mr.Mohamed Othman Elhassan Elkarouri Agricultural Division for Research, Studies and formation at the Sugar Institute KOSOUMAR Sugar Ministry of Agriculture Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work INVESTMENT AND AGRICULTURAL			
Research , Studies and formation at the Sugar Institute Mr. Azz ElArab Loudyi KOSOUMAR Sugar Mr. Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES Mr. Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL Mr. Peter Baron Chief Executive, STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR CORPORATION FOR INVESTMENT AND AGRICULTURAL Research , Studies and formation at the Sugar Ministry of Agriculture KOSOUMAR Sugar Director, Department of Arab Cooperation Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work		Mr.Ezakkari Mohamed	1 '
Mr.Azz ElArab Loudyi Mr.Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES Mr. Kamel Senada Director, Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr. Abdelmajid Benan CNief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			
Mr. Azz ElArab Loudyi Mr. Abbadi Abdellatif Ministry of Agriculture LEAGUE OF ARAB STATES Mr. Kamel Senada Director, Department of Arab Cooperation Engineer Engineer Mr. Abdelmajid Benan Engineer Chief Executive, World Sugar Organization(London) ARAB CORPORATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr. Abdelmajid Benan Engineer Director, Department of Economic Relations and Joint Work			
Mr.Abbadi Abdellatif Ministry of Agriculture LEAGUE OF Mr.Kamel Senada Director, ARAB STATES Department of Arab Cooperation ISLAMIC Mr.Abdelmajid Benan Engineer DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB Mr.Mohamed Othman CORPORATION Elhassan Elkarouri Department of Economic Relations and Joint Work NVESTMENT AND AGRICULTURAL			
LEAGUE OF ARAB STATES Mr.Kamel Senada Director, Department of Arab Cooperation Engineer Engineer Chief Executive, World Sugar Organization(London) Mr.Mohamed Othman CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Kamel Senada Director, Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work		 	
ARAB STATES Department of Arab Cooperation ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Department of Arab Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work	7 5 1 6 1 5 5 5		
ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Abdelmajid Benan Engineer Cooperation Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work		Mr. Kamel Senada	
ISLAMIC DEVELOPMENT BANK INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Abdelmajid Benan Engineer Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work	ARAB STATES		-
DEVELOPMENT BANK INTERANTIONAL Mr.Peter Baron Chief Executive, World Sugar Organization(London) ARAB Mr.Mohamed Othman CORPORATION Elhassan Elkarouri Department of Economic ROR Relations and Joint Work AND AGRICULTURAL	101 11 (10	1.6 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	
BANK INTERANTIONAL Mr.Peter Baron Chief Executive, World Sugar Organization(London) ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Peter Baron Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work		Mr. Abdelmajid Benan	Engineer
INTERANTIONAL STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL Mr.Peter Baron Chief Executive, World Sugar Organization(London) Director, Department of Economic Relations and Joint Work			·
STANDARD (ISO) ORGANIZATION ARAB CORPORATION FOR INVESTMENT AND AGRICULTURAL World Sugar Organization(London) Director, Department of Economic Relations and Joint Work		Mr. Potor Donon	Chief Enganting
ORGANIZATION ARAB Mr.Mohamed Othman CORPORATION FOR INVESTMENT AND AGRICULTURAL Organization(London) Director, Department of Economic Relations and Joint Work		IVIT. PELET DATOIT	
ARAB Mr.Mohamed Othman CORPORATION Elhassan Elkarouri Department of Economic Relations and Joint Work AND AGRICULTURAL			· · · · · · · · · · · · · · · · · · ·
CORPORATION Elhassan Elkarouri Department of Economic Relations and Joint Work INVESTMENT AND AGRICULTURAL		Mr Mohamed Othman	
FOR INVESTMENT AND AGRICULTURAL Relations and Joint Work			· 1
INVESTMENT AND AGRICULTURAL		Zinasan Zikatouti	
AND AGRICULTURAL			ACIALIONS AND JOINT WOLK
AGRICULTURAL			
i	_		
DEVELOPINENT 1	DEVELOPMENT		

ARAB INVESTMENT	Mr.Abduh Taha Ayoub	Chief Division
GUARANTEE COMPANY		
ARAB INVESTMENT COMPANY	Mr.Abderrahman Echayee	Director, Department of Agricultural Project/Riyadh
UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)	Mr.Miranda Da Cruz	Agro-based Industries Branch
	Mr.Abdel Aziz Bediwe	Expert
ECONOMIC AND SOCIAL COMMITTEE FOR WESTERN ASIA (ESCWA)	Mr.Mohamed Abderrahman	Industry Division
ARAB ORGANIZATION FOR AGRICULTURAL DEVELOPMENT	Mr.Khachi Errawi	Expert
ARAB INDUSTRIAL DEVELOPMENT AND MINING ORGANIZATION	Mr.Issam Hanafi	Acting Director, Department of Studies and Programs
	Mr.Ali AbdelHussein Karim El Abbadi	Expert
	Mr.Mouayad Mohamed Zaki AbdelAziz	Specialist

(Annex N°2)

WORKSHOP PROGRAMME

"The Present Status of the Sugar Industry in the Arab Region" Cairo- 2-5/12/1995 held at the Management Development Center for Industry

Saturday 2/12/95	T	
9.00 - 10.00	Registration	
10.00 -12.00	Opening speeches - Mr. Mohammed Abdel Al Khalif, Board Chairman, Sugar and Integrated Industries. - Mr. Kamel Senada, The league of Arab States representative. - Mr.Abdelmajid Benane, Islamic Development Bank representative. - A paper presented by Mr. Issam Hanafi, On behalf of Mr. Mohamed Karbid, Secretary General, Arab Industrial Development and Mining Organization. - Adil Chihawi, Chairman, Holding Company for Food Industries. - His Excellency Dr. Ibrahim Fawzi, the Minister of Industry and Mineral Wealth. - His Excellency Dr. Atef Mohammed Abeid, the Minister of General Public entreprise Sector and the State for Administrative Reform and Environmental Affairs.	
12.00 - 12.30	Break	
12.30 - 14.15	1 st Working Session President of the session: Mr. Othman Nadir, Director General, Kenana Sugar Company/ Sudan	
*12.30 - 13.00	"Light on Sugar Industry in the World and in the Arab Region"-by Dr. Falah Said Jabr, Arab Federation for Food Industries.	
*13.00 - 13.30	Working paper/Dr. Salama Shewil, Egypt.	
*13.30 - 13.45	Working paper / Mr. Mohammed Amine Haddad/ Syria	
* 13.45 - 14.15	General Discussion	
SUNDAY 3/12/1995	land very set	
9.00 - 11.00	2 nd Working session	

	President of the session:Mr.Adnan Dakhakhini,
_	president of Food Industries Committee / Syria
9.00 - 9.15	Working paper of Sudan,
	Mr. Awad Abdelkarim Mekki
9.15 - 9.30	Mr. Lassib Mohammed / Algeria
9.30 - 9.45	Mr. Ezakaoui Mohamed / Morocco.
9.45 - 10.00	Mr. Nassir Ibrahim El khafaji / Iraq
10.00 - 11.00	General Discussion
11.00 - 11.30	Break
11.30 - 14.00	3rd Working Session
	President of the session : Dr. Falah Said Jabr,
	Secretary General of Arab Federation for Food Industries.
11.30 - 12.00	" The Agricultural Status of Sugar Sector" Mr.Khachi Errawi, Arab Organization for Agricultural Development.
12.00 - 12.30	"The Industrial Status of Sugar sector"
· · · · · · · · · · · · · · · · · · ·	Mr. Ali Elabbadi, Arab Industrial Development and Mining Organization.
12.30 - 13.00	"Problems Facing Sugar Industry Sector and the Technical Assistance".
	Mr. Abdelazim Bedewi, UNIDO
13.00 - 14.00	General Discussion
MONDAY 4/12/1995	
9.00 - 11.00	4th Working session: Specialized papers
**************************************	President of the session : Mr. Abdelhalim Mohamed,
	Sugar and Integrated Industries Company
9.00 - 9.15	"The Impact of International Agreements on Sugar Trade" Dr. Peter Baron (ISO)
9.15 - 9.30	"Optimization of Water Utilization in Sugar Cane Cultivation".
	Mr. Ridwan Haykal,
	Sugar and Integrated Industries Company.

9.30 - 9.45	"The Activities of Arab Corporation for Investment and Agricultural
	Development in the Field of Sugar Crops Production and
	Industrialization".
	Dr. Mohamed Othman,
	Arab Corporation for Investment and Agricultural Development.
9.45 - 10.00	"Crops Improvement Processes and their Impact on Acre
	Productivity"
	Dr. Jad Elkarim Esseid, Sugar and Integrated Industries Company.
10.00 - 10.15	"Improvement of Maintenance Management in Sugar and Integrated
	Industries Company"
	Dr. Abderrazzak Hanafi.
10.15 - 10.30	A working paper jointly prepared by Kenana Sugar and Arab
	Company for Investment.
	Dr. Abderrahman Echayei.
10.30 - 11.00	Application of ISO 140.000 on Environmental protection.
11.00	, pproduction of the control of the
11.00	A field trip to the" National Company for Corn Products" located in
	10th of Ramadan.
Tuesday 5/12/1995	5th working session
	President of the session:Mr. Mohamed Abdel Al Khalif,
	Board Chairman, Sugar and Integrated Industries Company.
12.00 12.00	
12.00 - 13.00	Discussion of the Final Report and Recommendations
13.30	Clasing conica
13.30	Closing session