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CONSULTANCY SERVICES REGARDING THE ESTABLISHMENT OF A DATA BANK
AT THE ARAB UNION FOR CEMENT AND BUILDING MATERIALS
IN DAMASCUS

US/RAB/90/152

SYRIAN ARAB REPUBLIC

Technical report: Computerization at the AUCBM*

Prepared for the Government of the Syrian Arab Republic
by the United Nations Industrial Development Organization

Based on the work of Yousef M. Aqel,
computer expert

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* This document has not been edited.

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TABLE OF CONTENTS

ABSTRACT	2
INTRODUCTION	2
SOFTWARE TO BE PURCHASED AND/OR DEVELOPED	3
PC-NETWORKING	8
TIME SCHEDULE FOR SYSTEMS TO BE DEVELOPED	9
RECOMMENDATIONS & ESTIMATED PRICES FOR SYSTEMS TO BE PURCHASED	10
PERSONNEL & TRAINING	12
CONCLUSION	13
ANNEX A HARDWARE REQUIREMENTS	14
ANNEX B SCREENS LAYOUT AND SAMPLE REPORTS OF THE STATISTICAL DATA BANK IN ARABIC	15
ANNEX C R:BASE STATISTICAL DATA BANK DOCUMENTATION .	28
ANNEX D R:BASE MAILER DATA BANK DOCUMENTATION	34
ANNEX E SCHEMA OF THE STATISTICAL DATA BANK	36
ANNEX F SCHEMA OF THE MAILER DATA BANK	37
ANNEX G COMPUTER SUPPLIES INVENTORY SHEET	38

ABSTRACT

COMPUTERIZATION OF THE ARAB UNION FOR CEMENT
AND BUILDING MATERIALS DAILY WORK

This report describes a 10 weeks mission. The purpose of the mission was to study the computerization requirements of the Arab Union for Cement and Building Materials (AUCBM), to provide technical advice on developing and implementing a data bank for the union as a step to enhance the administrative and technical activities of the union, and to increase the effectiveness of the union, hoping this step will lead to another steps widening the benefit of computerization to members of the union.

INTRODUCTION

The objectives of the Union is to develop and consolidate the technical, industrial and commercial relationships between members, and help complement the industry of cement and building materials through exchange of members' experiences, specializations, and activities.

The union is publishing a scientific journal in the field of cement industry and related materials. It also publishes several statistics and booklets, it collects statistics and cooperates with Arab & International organizations in order to achieve these objectives.

SOFTWARE TO BE PURCHASED AND/OR DEVELOPED

Systems and programs developed or to be developed:
The following numbering will reflect the priority of developing these systems as agreed upon by the AUCBM management.

1) Statistical data bank:

The data bank included basic information about member companies like name, address, data of membership etc... it also included statistical information on production of cement and building materials, export, import, factories, financial control of members subscriptions, personnel, accessories, consumption etc.

The data bank may include the information about Building Materials establishment in the Arab World. Two master files about countries and cement products were used, the first used the UN countries computer code from "UNIDO Guidelines for Project Design and Drafting of Project Documents V.89-60716". The second, master cement products were classified and tailored for the use of the union. (See Annex B)

It is recommended that future data banks be integrated with this data base in order to minimize the duplication of files; for example "Countries" file will be needed in the "Mailing List" data bank, and in the "Experts" data bank etc.

2) Library:

A specialized library about cement industry and related fields is part of the AUCBM facilities. It contains a reasonable number of books and periodicals. A library computer system will keep track of these documents and help users find the right information in the right time.

3) Mailing list:

A mailing list is very helpful in tracking correspondence to and from the union. The mailing list will include main member companies related to the union, national and international cement and related industry establishments addresses. It also includes special addresses related to the union, research centers, consultancy organizations in the field etc. The main structure of the subsystem was developed and implemented. It consists of 4 files. Country code, type of correspondence, main mailing file which holds, information like name and address, and the linking file.

(see annexes D,F)

4) Desk Top Publishing:

The union has a substantial amount of publications, books, periodicals, studies etc. Having a word processor and a DTP is very necessary to cope with this size of work. (Note: "Professional Write" word processor is already available)

5) Accounting General Ledger, Salaries, Fixed Assets etc. A modified Accounting General Ledger will be needed in the future.

Presently there is a system which can do the job, but due to some weak points and programming faults it needs some modification. Other subsystems like salaries calculation, fixed assets, journal subscriptions, loans etc. will be computerized in a less urgent step due to the small size of activities on these systems.

6) Follow-up of Coming and Outgoing Mail, actions taken on these letters, standing letters, distribution or destination of each letter, etc. A subsystem can be developed to help ease the burden of administrative staff. The subsystem will be able to track a letter in every station it stops in, remind administrative personnel of actions to be taken and finally keep a record of these letters as history for a reasonable agreed upon time.

7) Equipment and Manufacturing Companies:

A data bank about these companies will be needed, it will include beside basic information like names and addresses information about accessories, like paper for the cement bags, transportation etc. and all related products, its prices, and specifications.

8) Consulting Companies data bank:

This data bank will include information about consulting companies in the field of cement and building materials. The information consists of basic data about companies i.e. address, capital, number of employees. It also includes specializations, type and place of experiences, It might include information about research centers, institutes which work in the same field.

9) Experts data bank:

This data bank will hold information about experts in the field. Like name, address, qualifications, experiences, etc. to help answer the training and employment requirements of members for a certain experience.

10) Economical and Technical studies:

A financial package like Lotus 123 could be acquired, to help do feasibility studies and performance evaluations.

11) Availability of Building Materials:

A system to be developed to identify the building materials and their availability in the Arab World, classification of raw materials, intermediate and final products.

Information in this system will help identify places of these materials, reserves estimation etc.

12) Board of Directors & General Assembly Decisions:

A program to keep track of the General Assembly and Board of Directors minutes of meetings. This will help track decisions recommendations and follow up on these decisions.

13) Conferences & Seminars in the Cement Industry fields:

A program to keep track of dates & places of related conferences / seminars to the cement industry on the national and international levels. The program or subsystem will match the requirements of companies who seek such seminars, it will also report on recommendations and evaluations of such seminars.

14) Personnel information:

Due to the small number of employees, storing data about personnel could be either through a word processor or a program to be developed later on. It will include information about employees, name, address, birth place and date ecc. together with history of experiences and qualifications.

15) Dictionary:

A specialized and updated dictionary for the cement and building materials is part of the publications the AUCBM can produce periodically.

A special program could be developed to enter and update the terms of that dictionary.

16) Standards of Cement Industry:

A program to store biographical information about standards of cement industry.

This job can be achieved by a word processor, because these standards are to be used as reference only.

17) Business Graphics:

Business graphics program like Harvard Graphics, Freelance or any other related package, to help to do business graphs and benefit from several capabilities the system will be able to do.

18) Problems & shutdown of factories:

Storage and retrieval of information about problems and shutdown of factories, to help identify reasons and solutions for these problems.

PC-NETWORKING:

The AUCBM office is made of two separate apartments with a distance of around 25 meters horizontally in between.

Presently the two PCs available in the union are located in one place. It is suggested that a PC networking configuration to be acquired. In that case users of the computer in both offices can have access to the systems.

NOVELL Network is the most widely used and practical in the Middle East, there is a reasonable experience in dealing with that network.

It is suggested to have the 386 Novell, the system can handle 255 users. But as a first step, 3 PCs can be connected to the network, which will cover the need of the union for at least 3 years.

Price of the Network is around US \$7200 plus \$220 for each card, three cards (one for each PC) are needed at the present time, which will make the total price of \$7860.

TIME SCHEDULE FOR SYSTEMS TO BE DEVELOPED:

Some of the systems need to be developed/tailored for the requirements of the AUCBM, others need to be purchased/acquired as ready made packages.

a) Systems to be developed:

- | | |
|--|---------------|
| 1. Statistical data bank | * 6 man/weeks |
| 2. Experts data bank | 3 man/weeks |
| 3. Library | 6 man/weeks |
| 4. Mailing list | 2 man/weeks |
| 5. Consulting companies data bank | 3 man/weeks |
| 6. Equipment and Manufacturing companies | 4 man/weeks |
| 7. Incoming & outgoing mail follow-up | 1 man/week |

* Eighty percent of the statistical data bank was developed and implemented during this mission. It need some expansion in building extra reports as need arises together with additional views for search and inquiry.

b) Systems to be purchased (ready made packages):

1. Economic and financial i.e. Lotus 123 \$ 500.00
2. Business Graphics i.e. Harvard graphics \$ 500.00
3. Desktop publishing Arabic/English \$ 2500.00
(Al-Arabi Lil-Nashr from ICS, London or CCS, Amman)
or
DTP, cart. font, sakhr kit of
Jordan Computer Center \$ 1830.00
4. Relational DBMS such as ORACLE, R:BASE, Ingres,
or Foxbase. Ranges from \$ 1300.00 for Oracle to \$ 600.00
for each of the other packages.

RECOMMENDATIONS & ESTIMATED PRICES FOR SYSTEMS TO BE PURCHASED:

a) Administrative steps:

- 1) Data entry forms might be used to collect information for the statistical data bank, this will save the time of collecting and rewriting data. (See Annex B)
- 2) Records to monitor and control the consumption of computer supplies like printer ribbons, paper forms, floppies, etc. (See Annex G)
It would be helpful to have a list of suppliers in the country and what supplies every dealer has, so as to help locating the most appropriate supplies with the most reasonable prices.
- 3) Daily backup of all valuable systems to be taken and kept in a separate place for emergency. A list of all systems or programs to be prepared and updated to help locate these programs when needed.

b) Hardware:

Taiwanese IBM Compatible PC 80386 (Annex A) \$ 2500.00

Optional:

1) Tape backup drive, 40MB capacity \$ 660.00

c) Ready Made Software (packages):

1. Economic and financial i.e. Lotus 123 \$ 500.00

2. Business Graphics i.e. Harvard graphics \$ 500.00

3. DTP, Cart. font, sakhr kit of
Jordan Computer Center \$ 1830.00

4. R:BASE DBMS \$ 600.00

PERSONNEL & TRAINING

The AUCBM staff is limited to a number of 10 people 8 of them need training on the future systems, each on the fields related to his/her work.

The suggested languages of training are Arabic as primary language and English as a secondary language.

1. All of the AUCBM staff need to be trained on systems/programs as users, every one will be trained on programs related to his daily work.

Estimated time, 2 weeks covering training on general use of systems.

2. Presently an electric/electronic engineer with some computer experience is responsible for the computerization. He has a reasonable experience on modifying and maintaining the before-mentioned developed statistical data bank. Keeping some one knowledgeable about R:Base is the top management responsibility, and enough training i.e.(one month) is necessary in case of replacing the present engineer.

Training could be arranged as general lectures for all staff, covering introduction to computers which will include a brief history of computers, present capabilities, etc. 2-4 hours.

Practical training about word processing 8-10 hours.

DTP will be part of the computer specialist training, 10-12 hours.

CONCLUSION:

1. The statistical data bank which was developed will be the cornerstone of the integrated data bank which will include most of the requirements mentioned.

It is recommended that the "Mailing List" subsystem and other related data banks be integrated with the "Statistical Data Bank". That will reduce the duplication of some master files like "Countries". The countries master file can be used in "Consultancy Companies Data Bank", "Experts Data Bank", and "Equipment & Manufacturing Companies Data Bank".

2. DTP is the second priority for improving the work of the Union, it is recommended that at least two persons will be trained on using that system.

3. It would be very helpful to hire a community college computer graduate (2 years program) with 3-5 years of experience on data base applications on personal computers, or a university computer graduate (4 years) with 2-3 years of work experience on data base applications on personal computers. That will be enough to computerize most of the union requirements, or to get some help from outside consultants to do the job. Hiring will be more helpful for the union on the long run.

It would be more beneficial to the union for the computer specialist to concentrate on new systems development and maintenance of previous systems. Data entry should be assigned to one of the lower level employees who should have enough training on that function.

ANNEX A

Hardware Requirements

Item	Est. Price

1) A personal computer with the following configuration: IBM or compatible 80386 processor, 25 or 33 MHz clock speed 2MB RAM (To be effective on DTP) 64 KB cache memory HDD/FDD controller support 2 floppy and 2 hard disks 2 floppy drives 5.25" (1.2MB) and 3.5" (1.44MB) 80 MB Hard disk 8 expansion slots 2 serial, 1 parallel ports Arabic/Latin (101 keys) keyboard VGA Card VGA Color Monitor	

Total price for all items above	\$ 2500.00
2) HP ScanJet Plus Scanner	\$ 3145.00
3) External 40 MB Tape streamer	\$ 660.00

Eight offers were gathered from PC dealers in Amman, Jordan and in Damascus, Syria. Evaluation were based on several points and a decision by AUCBM management were taken to purchase one 386 PC, with the above-mentioned configuration.

ANNEX B

SCREENS LAYOUT OF THE DATA BANK IN ARABIC

The annex consists of screen listing and some selected reports of the statistical data bank. It is as follows:

B1. The main menu which includes repeatable functions for each of "Data Entry", "Modify", "Browse", and "Delete". Together with some selected "Reports" and "Exit" from the menu. The attached annex include "Data Entry" only, other functions will be the same. The second part of the sheet includes the selected reports.

B2. Includes the following:

- a. Countries data entry
- b. Products
- c. Prices
- d. Consumption
- e. Imports
- f. Exports
- g. Companies
- h. Personnel
- i. Subscriptions of members
- j. Accessories
- k. Factories
- l. Raw Materials
- m. Production

B3. Sample reports:

- a. By country
- b. By products
- c. By company

Database: C:...STA

ادخال تعديل مشامدة حذف تقارير خروج

١	ادخال المنتجات
٢	البلدان
٣	الشركات
٤	الاسمار
٥	الانتاج
٦	الاستهلاك
٧	الاستيراد
٨	المسادات
٩	الاشتراكات
١٠	العمال
١١	المواد
١٢	اللازم
١٣	الممنوع
١٩	خروج

Database: C:...STA

ادخال تعديل مشامدة حذف تقارير خروج

١	تقرير حسب المنتج
٢	تقرير حسب البلد
٣	تقرير حسب الشركة
٤	تقرير مسادات
٩	خروج

Database: C:...STA

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال البلدان

التاريخ : ٩١/٠٨/٠٩

رمز البلد :
اسم البلد :
عدد السكان :
المساحة :

نسبة

Form: countrys Table: countryf

Field: ctry_c

Page:

Add/discard Go to Exit

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال المنتجات

التاريخ : ٩١/٠٨/٠٩

رقم المنتج :
اسم المنتج :
الوحدة :

Form: m_prod_s Table: prodmasf

Field: prodno

Page:

الاتحاد العربي للاحتياجات ومواد البناء
بطاقة ادخال الامار

التاريخ : ٩١/٠٨/٠٩

رمز المنتج :

رمز الشركة :

السنة :

طريقة التمدير :

نوع المر :

المر المحلي :

/ بالعملة المحلية

معد التمدير :

العملة : دولار

===== مصدر المعلومات =====

Form: price_s

Table: pricesf

Field: prodno

Page:

Add/discard Go to Exit

الاتحاد العربي للاحتياجات - مواد البناء
بطاقة ادخال الاستهلاك

التاريخ :

رمز المنتج :

رمز البلد :

السنة :

الوحدة :

عدد السكان في البلد :

نمو الاستهلاك :

توقع الاستهلاك / للفرد :

للمال :

كمية الاستهلاك الظاهري :

كغ

طلب الفرد :

ملاحظات :

===== مصدر المعلومات =====

Form: consum_s

Table: consumpf

Field: #DATE

Page:

الاتحاد العربي للاسمنت ومواد البناء

شاشة ادخال الاستيراد

التاريخ :

العملة :

رمز المنتج :

رمز البلد :

الوحدة :

الكمية :

السنة :

نوع الاستيراد :

طريقة الاستيراد :

%

نسبة المرائب :

سعر الاستيراد :

بلد الاستيراد :

== مصدر المعلومات ==

Form: import_s Table: importsf

Field: #DATE

Page:

Add/discard Go to Exit

الاتحاد العربي للاسمنت ومواد البناء

بطاقة ادخال التصدير

التاريخ :

رمز المنتج :

رمز الشركة :

الوحدة :

الكمية :

السنة :

نوع التصدير :

طريقة التصدير :

العملة :

سعر التصدير :

بلد التصدير :

== مصدر المعلومات ==

Form: export_s Table: exportsf

Field: #DATE

Page:

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال الشركات

رسم الشركة _____ الاسم _____ التاريخ : ٩١/٠٨/٠٩

بطاقة الانضمام
 طالب : _____ تاريخ : _____ قرار : _____
 الملكية : _____ رأس المال : _____
 تاريخ الانشاء : _____ تاريخ التضميل : _____
 المنتجات : _____
 النشاط : _____

رقم البلد : _____
 العنوان : _____
 برفيقا : _____
 هاتف : _____
 فاكس : _____
 توكس : _____
 رئيس مجلس الادارة / المدير العام : _____

Form: comp_s Table: companyf Field: compno Page: Add/discard Go to Exit

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال الماملين للاعضاء

التاريخ : _____

رسم الشركة : _____

السنه : _____

عدد الماملين : _____

Form: person_s Table: personf Field: #DATE Page:

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال الاشتراكات للاعضاء

التاريخ : ٩١/٠٨/٠٩

رمز الشركة :

رمز البلد :

سنة الاشتراك :

البيسان :

المبلغ الدائن :

المبلغ المدين :

Form: financ_s Table: financef

Field: compno

Page:

Add/discard Go to Exit

الاتحاد العربي للاسمنت ومواد البناء
بطاقة ادخال المتلزمات

التاريخ :

رمز الشركة :

رمز المنتج :

قيمة الاحتياطي :

كمية الاحتياطي :

مصدر المادة/المنتج :

السنة :

المعرف :

المعرفون :

Form: access_s Table: accessf

Field: compno

Page:

الاتحاد العربي للاسمنت ومواد البناء
نظام ادخال المعامع والمنتجات

التاريخ :

رمز الشركة :

رقم المعج :

عنوان المعج :

رقم الهاتف :

ملاحظات :

رقم التلكر :

Form: factor_s Table: factoryf

Field: #DATE

Page:

Add/discard Go to Exit

الاتحاد العربي للاسمنت ومواد البناء
نظام ادخال المواد الاولية والمنتجة

التاريخ :

رمز الشركة :

رمز المنتج / المادة :

مصدر المادة :

الكمية :

الاسنة :

Form: materl_s Table: materialf

Field: #DATE

Page:

الانحداد المرسي للاسمنت ومواد البناء
بطاقة ادخال الانتاج

التاريخ : ٩١/٠٨/٠٩

رمز الشركة :

رمز المنتج :

الوحدة :

السنة :

الكمية المنتجة :

الطاقة التصميمية :

الانتاج الفعلي : %

الموافقة :

ملاحظات :

= مصدر المعلومات

Form: d_prod_s Table: prdtionf

Field: compno

Page:

الاتحاد العربي للاستثمار والبناء
تقرير بأسماء البلدان

التاريخ : ٩١/٠٨/٠٩

رقم الصفحة : ١

العملة	اسم البلد	رمز البلد
ليرة	الجمهورية العربية السورية	syr
دينار	المملكة الاردنية الهاشمية	jor
جنية	جمهورية مصر العربية	egy
ريال	المملكة العربية السعودية	sau
دينار	جمهورية الجزائر الديمقراطية	alg
دينار	دولة البحرين	bah
شلن	جمهورية جيبوتي	dji
دينار	جمهورية العراق	irq
دينار	دولة الكويت	kuw
دينار	الجمهورية اللبنانية	lib
ليرة	الجمهورية اللبنانية	leb
بقعة	جمهورية موريتانيا الاسلامية	mau
درهم	المملكة المغربية	mor
ريال	سلطنة عمان	oma
ريال	دولة قطر	gat
شلن	جمهورية الصومال الديمقراطية	som
دينار	الجمهورية التونسية	tun
درهم	الامارات العربية المتحدة	uae
ريال	جمهورية اليمن	yem

التاريخ : ٩١/٠٨/٠٩

رقم الصفحة : ١

الوحدة	اسم المنتج	مر المنتج
الف طن	ا.ب. السريع التصلب	١٠١١٠٢
الف طن	الاسمنت المائي	١٠١١٠٠
الف طن	ا.ب. المتوسط التصلب	١٠١١٠٢
الف طن	ا.ب. الباعث للمرونة	١٠١١٠٤
الف طن	ا.ب. الخائف من الماء (المازل)	١٠١١٠٥
الف طن	ا.ب. المقاوم للكبريتات	١٠١١٠٦
الف طن	ا.ب. ذو الامانة المتوسطة الحرارة (المنخفضة)	١٠١١٠٧
الف طن	ا.ب. لآبار النفط	١٠١١٠٨
الف طن	ا.ب. لمناعة الالبتوس	١٠١١١٠
الف طن	ا.ب. لخرانة الطرق	١٠١١١١
الف طن	ا.ب. لبناء صناعات محطات توليد الطاقة الكهربائية	١٠١١١٢
الف طن	أنواع اخرى	١٠١١٩٩
الف طن	الاسمنت الالوميني	١٠١٢٠٠
الف طن	ا.ب. الاسمنت المسهور	١٠١٢٠١
الف طن	أنواع اخرى من الاسمنت الالوميني	١٠١٢٩٩
الف طن	اسمنت الغيت	١٠١٣٠٠
الف طن	ا.خ. السريع التصلب	١٠١٣٠١
الف طن	ا.خ. انبورتلاندي	١٠١٣٠٢
الف طن	ا.خ. الماغنيزيوم البورتلاندي	١٠١٣٠٣
الف طن	ا.خ. الخاس البورتلاندي (آبار النفط)	١٠١٣٠٤
الف طن	ا.خ. الكلبي	١٠١٣٠٥
الف طن	ا.خ. الكبريتي	١٠١٣٠٦
الف طن	اسمنت الكلبي المائي (الروماني والبلجيكي)	١٠١٤٠٠
الف طن	ا.ك. الكلبي المائي	١٠١٤٠١
الف طن	ا.ك. الكلبي الروماني	١٠١٤٠٢
الف طن	الاسمنت المتحد بمركبات مجهرية	١٠١٥٠٠
الف طن	الاسمنتات الفحمية	١٠١٥٠١
الف طن	البورتلاندي الرملي	١٠١٥٠٢
الف طن	الرملي لآبار النفط	١٠١٥٠٣
الف طن	الاسمنت القابل للانتفاخ	١٠١٦٠٠
الف طن	الاسمنت الالوميني الخام	١٠١٦٠١
الف طن	اسمنت بورتلاندي متحد مع مضافات قابلة للانتفاخ	١٠١٦٠٢
الف طن	الاسمنت العير قابل للتقلص	١٠١٦٠٣
الف طن	الاسمنت المختلط والمركب	١٠١٧٠٠
الف طن	ا.م.م.الاسمنت البورتلاندي	١٠١٧٠١
الف طن	ا.م.م.الالوميني المتحد مع مضافات مجهرية أو مائية	١٠١٧٠٢
الف طن	ا.م.م.المتحد مع مركبات خاصة	١٠١٧٠٣
الف طن	الاسمنت المتحد مع اضافات نشطة مائية	١٠١٨٠٠
الف طن	الاسمنت البورتلاندي البوزولاني	١٠١٨٠١
الف طن	اسمنت بورتلاندي بوزولاني مقاوم لفعل الكبريت	١٠١٨٠٢
الف طن	اسمنت بورتلاندي مخلوط بمواد بركانية أو روسوبية	١٠١٨٠٣
الف طن	الجير	١٠٢٠٠٠
الف طن	الجص	١٠٢٠٠٠
الف طن	الركاميات	١٠٤٠٠٠
الف طن	الرمال الجليبية	١٠٤١٠٠
الف طن	ر. الجص	١٠٤٢٠٠
الف طن	ر. الصخور المتكسرة	١٠٤٣٠٠
الف طن	الحديد والصلب	١٠٥٠٠٠
الف طن	الاسفلت	١٠٦٠٠٠
الف طن	الصخور الطبيعية	١٠٧٠٠٠
الف طن	مواد الربط المعصوية	١٠٨٠٠٠
الف طن	الاحشا	١٠٩٠٠٠

الوحدة	اسم المنتج	رمز المنتج
الف طن	المواد العضوية	١١٠٠٠٠
الف طن	اسمنت اوكسي كلورايد اوسوريل	١١١٠٠٠
الف طن	مواد التفلين	٢٠٠٠٠٠
الف طن	المنتجات الفخارية	٢٠١٠٠٠
الف طن	لاستعمالات العامة	٢٠١١٠٢
الف طن	لاعمال الصرف	٢٠١١٠٣
الف طن	أنواع اخرى من مواد التفلين	٢٠١١٩٩
الف طن	مواد الاكساء	٢٠٠٠٠٠
الف طن	المخور الطبيعية	٢٠١٠٠٠
الف طن	المنتجات الخزفية	٢٠٢٠٠٠
الف طن	المنتجات الجصية	٢٠٢٠٠٠
الف طن	الطلاءات	٢٠٤٠٠٠
الف طن	البلاط بجميع أنواعه	٢٠٥٠٠٠
الف طن	الملاط	٢٠٦٠٠٠
الف طن	الاخشاب	٢٠٧٠٠٠
الف طن	المواد المساعدة في البناء	٤٠٠٠٠٠
الف طن	الزجاج	٤٠١٠٠٠
الف طن	الخشب	٤٠٢٠٠٠
الف طن	اللداائن	٤٠٣٠٠٠
الف طن	الفلزات	٤٠٤٠٠٠
الف طن	المنتجات الخزفية	٤٠٥٠٠٠
الف طن	المماجين والمواد اللاصقة	٤٠٦٠٠٠
الف طن	المنتجات الاسمنتية	٤٠٧٠٠٠
الف طن	المنتجات الالمنتية	٤٠٩٠٠٠
الف طن	المواد العازلة	٥٠٠٠٠٠
الف طن	المواد العازلة للحرارة	٥٠١٠٠٠
الف طن	المواد العازلة للزيت	٥٠٢٠٠٠
الف طن	المواد العازلة للضوء	٥٠٣٠٠٠
الف طن	المواد العازلة لتسرب الاوائل	٥٠٤٠٠٠
الف طن	المواد المساعدة في تصنيع وانتاج مواد البناء	٦٠٠٠٠٠
الف طن	المخاطات	٦٠١٠٠٠
الف طن	المخاليط	٦٠٢٠٠٠
الف طن	المواد الرئيسية	١٠٠٠٠٠
الف طن	الاسمنت البورتلاندي	١٠١١٠٠
الف طن	الاجريبات (الطوب)	٢٠١١٠٠
الف طن	البلاط	٢٠١٢٠٠
الف طن	ب. للاغراض الانشائية	٢٠١٢٠١
الف طن	ب. لاستعمالات الارضية (سراميك او بورسلان ارضية)	٢٠١٢٠٢
الف طن	ب. لاستعمالات الجدران	٢٠١٢٠٣
الف طن	ب. لسمارب الذهب والفايزات	٢٠١٢٠٤
الف طن	ب. لاستعمالات السقف	٢٠١٢٠٥
الف طن	القواطع	٢٠١٣٠٠
الف طن	ق. للمجارير ومياه الصرف	٢٠١٣٠١
الف طن	ق. مقاومة للاعمال الكيميائية	٢٠١٣٠٢
الف طن	ق. قنوية (لوقاية الاسلاك او الكوابل)	٢٠١٣٠٣
الف طن	ق. بلاطات مجاري	٢٠١٣٠٤
الف طن	ا.ب. الابيض والملون	١٠١١٠٩
الف طن	ا.ب. الاعتيادي	١٠١١٠١
الف طن	المنتجات الجصية	٤٠٨٠٠٠
الف طن	لاوكساء (تليس)	٢٠١١٠١
الف طن	مواد اسمنتية نمف مصنعة	١١٢٠٠٠
الف طن	الكليكر	١١٢٠٠١
الف طن	رمز على مستوى القطر	٠٠٠٠٠٠

الاتحاد العربي للاسمنت ومواد البناء
قائمة بأسماء الشركات الاعضاء

التاريخ : ٩١/٠٨/٠٩

الصفحة : ١

رمز الشركة : jor01
رمز البلد : jor
اسم الشركة : شركة مصانع الاسمنت الاردنية
Jordan Cement Factories Co. Ltd :
طلب الانضمام : ٧٨/١١٢
و تاريخه : ٧٨/٠٦/٢٢
قرار الانضمام : ٥/١
و تاريخه : ٧٨/١٠/٠٨
الملكية : مشترك
نسبة رأس المال الاجنبي :
رأس المال المحلي : ٥٠ مليون دينار
النشاط : انتاج وتسويق

ANNEX C

R:BASE STATISTICAL DATA BANK DOCUMENTATION

LIST COLUMNS

Column definitions

Name	Type	Table	Index Expression
acomp_name	TEXT	50 companyf	Arabic company name
activity	NOTE	companyf	Activities
actual_prod	TEXT	3 prdtionf	Actual Production perc
address	NOTE	companyf	Address of company
amt_reserve	REAL	accessf	Reserve amount
applic_record_no	TEXT	10 companyf	Application record num
app_cons	REAL	consumpf	Applied Consumption
avg_con :	REAL	consumpf	Average of Consumption
cable	TEXT	15 companyf	Cable code/number
capacity_design	REAL	prdtionf	Capacity Design
capital_local_curr	TEXT	15 companyf	Capital in local curre
ch_num	TEXT	11 lkprcom *	(compno+prodno)Company
cif_price	REAL	accessf	CIF price
class_job	NOTE	personf	Classification of job
class_price	TEXT	10 pricesf	Class Price
compno	TEXT	5 exportsf *	Company number
		factoryf *	Company Number
		pricesf *	Company number
compno	TEXT	5 materialf*	Company number
		accessf *	Company number
		companyf *	Company Number
		lkprcom *	Company Number
		prdtionf *	Company number
		personf *	Company number
		financef *	Company number

cr_amount	REAL		financef		Credited amount
ctry_c	TEXT	3	consumpf	*	Country code
ctry_c	TEXT	3	countryf	*	Country code
			financef	*	Country Code
			importsf	*	Country Code
			companyf	*	Country Code
ctry_cur	TEXT	10	countryf		Country Currency
ctry_export	TEXT	3	exportsf		Country of export
ctry_import	TEXT	3	importsf		Country of Import
ctry_name	TEXT	30	countryf		Country Name
ctry_pop	INTEGER		countryf		Country Population Num
date_application	DATE		companyf		Date of application
date_decision	DATE		companyf		Date of decision
decision_record_no	TEXT	10	companyf		Decision record number
demand_per_capita	REAL		consumpf		Demand Per Capita
dr_amount	REAL		financef		Debited amount
estab_date	DATE		companyf		Date of establishment
export_price	REAL		exportsf		Price of Export
			pricesf		Price of Export
export_type	TEXT	10	exportsf		Type of Export
exp_currency	TEXT	10	exportsf		Currency of Export
fact_address	NOTE		factoryf		Address of factory
fact_name	TEXT	40	factoryf		Factory name
fact_no	TEXT	2	factoryf	*	Factory number
faxes	NOTE		companyf		Facsimile numbers
fcomp_name	TEXT	50	companyf		Foreign company name
fob_price	REAL		accessf		FOB price
for_capital_per	TEXT	3	companyf		Percentage of foreign
f_phone_no	NOTE		factoryf		Factory telephone numb
f_telex	NOTE		factoryf		Factory telex number
head_b_dir	NOTE		companyf		Head of the board of d
import_price	REAL		importsf		Price of Import
			pricesf		Price of Import
import_type	TEXT	10	importsf		Type of Import (FOB -
imp_currency	TEXT	10	importsf		Currency of Import

local_price	REAL		pricesf		Local Price
mat_source	NOTE		materialf		Source of material
name_comp	TEXT	30	prdtionf		Company Name
notes	NOTE		consumpf		Notes
			prdtionf		Notes
			financef		Notes
			factoryf		Notes
oper_date	DATE		companyf		Date of operation:
ownership	TEXT	12	companyf		Ownership
packing_type	TEXT	10	importsf		Packing_Type of expor
			pricesf		Packing_Type of expor
			exportsf		Packing_Type of expor
person_for	INTEGER		consumpf		Person for
per_avl_cap	TEXT	3	prdtionf		Percent Available Cap
phones	NOTE		companyf		Telephone numbers
price_cur	TEXT	10	pricesf		Price Currency
prodno	TEXT	6	lkprcom	*	Product number
			accessf	*	Product number
			prdtionf	*	Product number
			materialf	*	Product number
			importsf	*	Product number
prodno	TEXT	6	consumpf	*	Product number
			exportsf	*	Product number
			pricesf	*	Product number
			prodmasf	*	Product number
prod_name	TEXT	50	prodmasf		Product Name
prod_unit	TEXT	10	prodmasf		Product Unit
quantity	REAL		prdtionf		Quantity of Consumtio
			materialf		
			exportsf		Quantity of Consumpti
			importsf		Quantity of Consumpti
reserve_qty	REAL		accessf		Reserve Quantity
satndard_code	TEXT	30	prdtionf		Standard Code of Prod
source	NOTE		accessf		Source of accessories
source_data	NOTE		importsf		Source of Data

			exportsf	Source of Data
			prdtionf	Source of Data
			consumpf	Source of Data
			pricesf	Source of Data
taxes_percent	TEXT	3	importsf	Taxes percent
telexes	NOTE		companyf	Telex numbers
t_date	DATE		financef	Current date
world_for	REAL		consumpf	World For
year	INTEGER		materialf	
			importsf	Year
			exportsf	Year
			accessf	
			consumpf	Year
			personf	
			pricesf	Year
year	INTEGER		prdtionf	Year

LIST FORMS

Form	Table	Form Description
-----	-----	-----
country_s	countryf	Country Screen
price_s	pricesf	Prices Screen
m_prod_s	prodmasf	Products Screen
consum_s	consumpf	v_unit = prod_unit in prodmasf wh
import_s	importsf	Import Screen
export_s	exportsf	Export Screen
comp_s	companyf	Company Screen
person_s	personf	Personnel screen
financ_s	financef	Financial screen
access_s	accessf	Accessories screen
materl_s	materialf	Materials Screen
factor_s	factoryf	Factories Screen
d_prod_s	prdtionf	Production Screen

LIST REPORTS

Report	Table / View	Report Description
ctry_r	countryf	Country Report
export_r	exportsf	Export Report
prod_r	prodmasf	Products Report
comp_r	companyf	Companies Report

LIST TABLES

Tables in the Database STATE

Name	Columns
prod_v	2
personf	3
materialf	5
accessf	8
financef	6
factoryf	7
companyf	20
v_prod	5
lkprcom	3
test	8
finance_v	5
cons_view	8
prodmasf	3
importsf	11
prdtionf	11
pricesf	10
exportsf	10
countryf	4
consumpf	10

· LIST VIEWS

· Views in the Database STATE

prod_v	v_prod
finance_v	cons_view

ANNEX D

R:BASE MAILER DATA BANK DOCUMENTATION

LIST COLUMNS

Column definitions

Name	Type	Table	Index	Expression
address	NOTE	mmail		Address
CCHECK	TEXT	6 lkmail		(NUMBR+ CORRC
ccode	TEXT	3 mmail	*	Country code
		country	*	Country code
cname	TEXT	32 country		country name
corrcode	TEXT	2 lkmail	*	Correspondenc
		corres	*	Correspondenc
corrdesc	TEXT	20 corres		Correspondenc
Faxes	NOTE	mmail		Facsimiles
name	TEXT	32 mmail		
NUMBR	TEXT	4 lkmail	*	
		mmail	*	Autonumbering
phones	NOTE	mmail		Telephone nos
title	TEXT	8 mmail		Title of pers
tlxno	NOTE	mmail		Telex no

LIST FORMS

Form	Table	Form Description
corrfrm	corres	Correspondence Codes Form
amform	mmail	Main Mailer Form
ctryfrm	country	Country Form

LIST REPORTS

Report	Table / View	Report Description
mmail01	mmail	
mmail02	mmail	

LIST TABLES

Tables in the Database MAILER

Name	Columns
corres	2
lkmail	3
mmail	9
qmailv	5
qmail	4
country	2

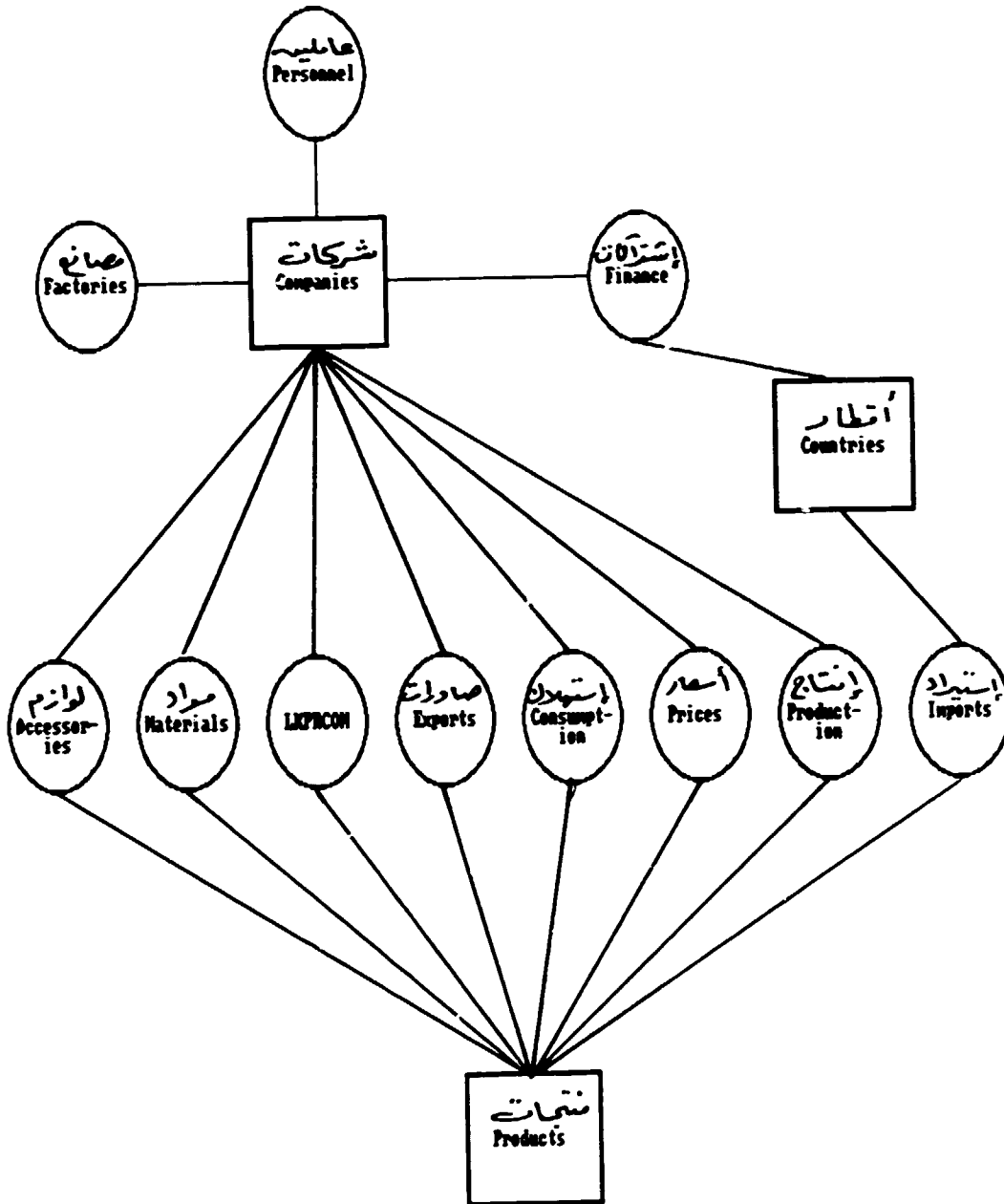
LIST VIEWS

Views in the Database MAILER

qmailv
qmail

Arab Union for Cement and Building Materials

Statistical Data Bank Schema



Arab Union for Cement And Building Materials
Mailer Data Bank Schema

