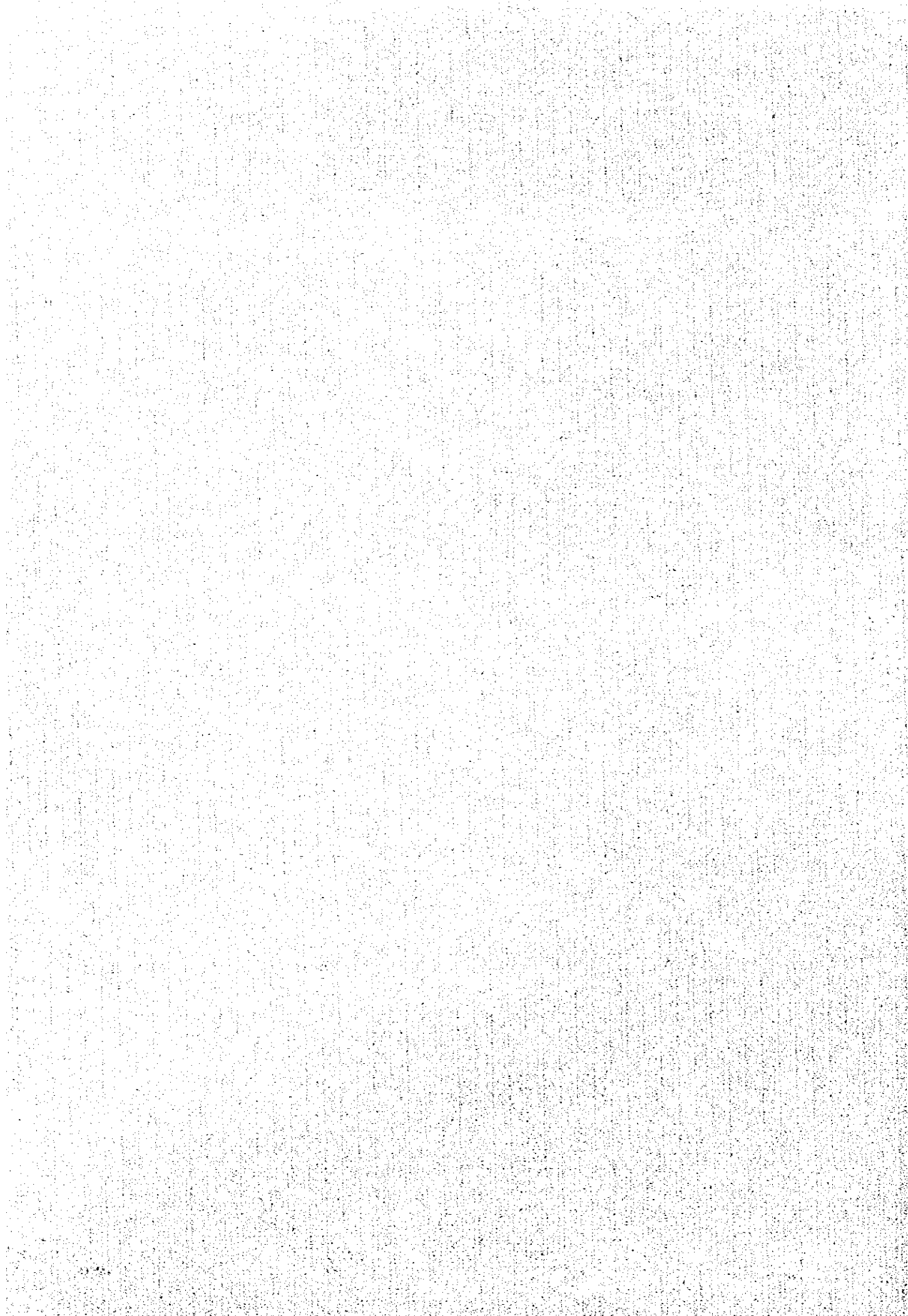


## **APPENDICES**



## APPENDICES

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## Appendix-1 Member List of Survey Team

The Following personnel are assigned to participate in the first field survey for the Project.

Study Team Member of First Field Survey		
Name	Assignment	Position
Mr. YONEDA Hiroshi	Leader	Director, Second Basic Design Study Division, Grant Aid Study and Design Department, JICA
Mr. NAKAGAWA Atsushi	Coordinator	Second Basic Design Study Division, Grant Aid Study and Design Department, JICA
Mr. NAKAIZUMI Masamitsu	Technical Adviser	Deputy Director, Fishing Port Department, Fisheries Agency, Ministry of Agriculture, Forest and Fishery
Mr. KATO Hisanori	Chief Consultant Fishing Port Planner	TETRA Co., Ltd.
Mr. OCHI Yutaka	Port Civil Engineer	TETRA Co., Ltd.
Mr. SASAO Kiyotaka	Site Surveyor	TETRA Co., Ltd.
Mr. TAKEUCHI Akira	Fish Marketing Planner	TETRA Co., Ltd.

The Following personnel are assigned to participate in the second field survey for the Project.

<b>Study Team Member of Second Field Survey</b>		
<b>Name</b>	<b>Assignment</b>	<b>Position</b>
Mr. KOYA Takahi	Leader	Deputy Director, Office of the Overseas Fisheries Cooperation, Fisheries Agency, Ministry of Agriculture, Forest and Fishery
Mr. NAKAGAWA Atsushi	Coordinator	Second Basic Design Study Division, Grant Aid Study and Design Department, JICA
Mr. NAKAIZUMI Masamitsu	Technical Adviser	Deputy Director, Fishing Port Department, Fisheries Agency, Ministry of Agriculture, Forest and Fishery
Mr. KATO Hisanori	Chief Consultant	TETRA Co., Ltd. Fishing Port Planner
Mr. OCHI Yutaka	Port Civil Engineer	TETRA Co., Ltd.
Mr. DATE Yukitaka	Architect	System Science Consultants Inc.
Mr. KATSUHARA Koichi	Fishing Port Facility Planner	TETRA Co., Ltd.
Mr. SASAO Kiyotaka	Site Surveyor Planner	TETRA Co., Ltd.

The Following personnel are assigned to participate in the third field survey for the Project.

<b>Study Team Member of Third Field Survey</b>		
<b>Name</b>	<b>Assignment</b>	<b>Position</b>
Mr. YONEDA Hiroshi	Leader	Director, Second Basic Project Study Division, Grant Aid Project Study Department, JICA
Mr. IWAMOTO Yasuaki	Grant Aid Planner	Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs
Mr. ITO Shoichi	Technical Adviser	Inspector, Construction Division, Fishing Port Department, Fisheries Agency, Ministry of Agriculture, Forest and Fishery
Mr. KATO Hisanori	Chief Consultant Fishing Port Planner	TETRA Co., Ltd.
Mr. OCHI Yutaka	Port Civil Engineer	TETRA Co., Ltd.

## Appendix-2 Survey Schedule

### 1st Survey Schedule (1995)

No.	Date	Day	Activities
1	10/13	Fri	Leave Narita (11:45), Arrive at London (16:25)
2	14	Sat	Leave London (16:35), Arrive at Cairo (22:30)
3	15	Sun	Courtesy call at JICA Office, Embassy of Japan, MOIC and MOD Prebid meeting for contract on natural conditions surveys
4	16	Mon	Meeting with the concerned of MOD, Signing of contract on natural conditions surveys
5	17	Tue	Movement Cairo to Alexandria, Courtesy call at Behaira Governorate
6	18	Wed	Field study at Anfoushi Fishing Port and Maadia Fishing Port (Project Site)
7	19	Thu	Field study at Abu Quir and Rosetta Fishing Port and Project Site Movement Alexandria to Cairo (Yoneda, Nakagawa, Nakaizumi, Kato and Takeuchi)
8	20	Fri	Team Meeting
9	21	Sat	Field study at Cairo Fish Markets and data collection (Yoneda, Nakagawa, Nakaizumi, Kato and Takeuchi), Field survey at Project Site (Ochi and Sasao)
10	22	Sun	Field study at Ataqa Fishing Port and visit Suez Governorate (Yoneda, Nakagawa, Nakaizumi, Kato and Takeuchi), Movement Alexandria to Cairo (Ochi), field survey at Project Site (Sasao)
11	23	Mon	Discussion with the concerned of MOD (Yoneda, Nakagawa, Nakaizumi, Kato, Takeuchi and Ochi) Field survey at Project Site (Sasao)
12	24	Tue	Discussion on Minutes of Discussion with MOD (Yoneda, Nakagawa, Nakaizumi, Kato Takeuchi and Ochi), Signing of Minutes of Discussions by MOIC, Data Collection Movement Cairo to Alexandria (Ochi), Field survey at Project Site (Sasao)
13	25	Wed	Report to JICA Office and Embassy of Japan (Yoneda, Nakagawa, Nakaizumi, Kato and Takeuchi) Field survey at Project Site (Sasao)
14	26	Thu	Leave Cairo (07:45), Arrive at London (12:05), Leave London (19:00) (Yoneda, Nakagawa and Nakaizumi), Movement Cairo to Alexandria and Courtesy call at Behaira Governorate (Kato and Takeuchi), Field survey at Project Site (Ochi and Sasao)
15	27	Fri	Arrive at Narita (15:40) (Yoneda, Nakagawa and Nakaizumi) Team Meeting (Kato, Takeuchi, Ochi and Sasao)
16	28	Sat	Data collection at GAFRD and Site Study (Kato, Takeuchi, Ochi and Sasao)
17	29	Sun	Site Study
18	30	Mon	Data collection and Site study
19	31	Tue	Data collection and Site study, Field study at Rosetta Mouth
20	11/1	Wed	Data collection and Site study
21	2	Thu	Site study and Data collection at North Coast Development Organization Movement Alexandria to Cairo (Kato and Takeuchi)
22	3	Fri	Team meeting
23	4	Sat	Meeting with the officials concerned and Data collection (Kato and Takeuchi) Site study and Data collection (Ochi and Sasao)
24	5	Sun	Field study at Ataqa (Kato and Takeuchi), Site study and Data collection (Ochi and Sasao)
25	6	Mon	Field study at Ataqa (Kato and Takeuchi), Site study and Data collection (Ochi and Sasao)
26	7	Tue	Meeting with the officials concerned and Data collection (Kato and Takeuchi) Movement Alexandria to Cairo (Ochi and Sasao)
27	8	Wed	Meeting with the concerned of MOD, Report to JICA Office and Embassy of Japan (Kato, Takeuchi, Ochi and Sasao)
28	9	Thu	Leave Cairo (14:30), Arrive at Rome (16:50)
29	10	Fri	Data collection at FAO, Leave Rome (15:50), Arrive at London (17:25), Leave London (19:00)
30	11	Sat	Arrive at Narita (15:40)

## 2nd Survey Schedule (1996)

No.	Date	Day	Activities
1	1	9	Tue Leave Narita (12:00), Arrive at Rome (19:10)
2		10	Wed Data Collection at FAO, Leave Rome (17:15), Arrive at Cairo (21:35)
3		11	Thu Courtesy Call at JICA Office, Embassy of Japan, MOD Meeting for natural conditions surveys
4		12	Fri Team Meeting
5		13	Sat Meeting with the concerned of MOD
6		14	Sun Meeting with the concerned of MOD, Team Meeting
7		15	Mon Movement Cairo to Ataq, Field Survey and back to Cairo
8		16	Tue Movement Cairo to Alexandria, Field Survey at Maadia Fishing Port
9		17	Wed Field Survey at An Foushi, Movement Alexandria to Cairo (Kouya, Nakagawa, Nakaizumi, Kato Ochi), Field Survey at Project Site (Sasao, Takeuchi, Katsuhara, Date)
10		18	Thu Meeting with the concerned of MOD and MOIC (Kouya, Nakagawa, Nakaizumi, Kato, Ochi) Field Survey at Project Site (Sasao, Takeuchi, Katsuhara, Date)
11		19	Fri Team Meeting, Field Survey at Project Site (Sasao, Takeuchi, Katsuhara, Date) Movement to Alexandria to Cairo (Katsuhara, Date)
12		20	Sat Discussion on Minutes of Discussion with MOD (Kouya, Nakagawa, Nakaizumi, Kato, Ochi, Katsuhara, Date), Field Survey at Project Site (Sasao, Takeuchi)
13		21	Sun Signing of Minutes of Discussions by MOIC, Report to JICA Office and Embassy of Japan (Kouya, Nakagawa, Nakaizumi), Data Collection (Kato, Date), Movement Cairo to Alexandria (Ochi, Katsuhara) Field Survey at Project Site (Sasao, Takeuchi)
14		22	Mon Leave Cairo (08:45), Arrive at London (12:00), Leave London (19:00) (Kouya, Nakagawa, Nakaizumi), Data Collection (Kato, Date), Movement Cairo to Alexandria (Kato) Field Survey at Project Site (Ochi, Sasao, Takeuchi, Katsuhara)
15		23	Tue Arrive at Narita (15:40) (Kouya, Nakagawa, Nakaizumi), Data Collection (Date) Field Survey at Project Site, Visit Petrojet Port (Kato, Ochi, Sasao, Takeuchi, Katsuhara)
16		24	Wed Field Survey at Project Site (Kato, Ochi, Sasao, Takeuchi, Katsuhara) Movement Alexandria to Cairo (Ochi, Katsuhara), Data Collection (Date)
17		25	Thu Field Survey at Project Site (Kato, Sasao, Takeuchi) Leave Cairo (08:45), Arrive at London (12:00), Leave London (19:00) (Ochi, Katsuhara, Date)
18		26	Fri Field Survey at Project Site (Kato, Sasao, Takeuchi), Arrive at Narita (15:40) (Ochi, Katsuhara, Date)
19		27	Sat Field Survey at Project Site (Kato, Sasao, Takeuchi), Movement Alexandria to Cairo (Takeuchi)
20		28	Sun Movement Alexandria to Port Said and Visit Damietta and Port Said Fishing Port (Kato, Sasao) Leave Cairo (08:45), Arrive at London (12:00), Leave London (19:00) (Takeuchi)
21		29	Mon Movement Port Said to El Arish and Visit Bardawil and El Arish Fishing Port, Movement to Cairo (Kato, Sasao), Arrive at Narita (15:40) (Takeuchi)
22		30	Tue Data Collection (Kato, Sasao), Movement Cairo to Alexandria (Sasao)
23		31	Wed Data Collection at GAFRD (Kato), Field Survey at Project Site (Sasao)
24	2	1	Thu Data Collection at GAFRD (Kato), Field Survey at Project Site (Sasao)
25		2	Fri Data Collection (Kato), Field Survey at Project Site (Sasao)
26		3	Sat Meeting with the officials concerned of MOD (Kato), Movement Alexandria to Cairo (Sasao)
27		4	Sun Data Collection at Meteorological Authority (Kato, Sasao)
28		5	Mon Report to JICA Office and Embassy of Japan (Kato, Sasao)
29		6	Tue Leave Cairo (08:45), Arrive at London (12:00), Leave London (19:00) (Kato, Sasao)
30		7	Wed Arrive at Narita (15:40) (Kato, Sasao)



### 3rd Survey Schedule (1996)

No.	Date	Day	Activities	
1	5	23	Thu	Leave Narita (11:30), Arrive at Amsterdam (16:45), Leave for Cairo (19:15)
2		24	Fri	Arrive at Cairo (00:50), Team Meeting Movement Cairo to Alexandria, Field Survey and Back to Cairo (Iwamoto, Ito, Ochi)
3		25	Sat	Courtesy Call at MOEIC, MOHNC and GAFRD Movement Cairo to Atafa, Field Survey and back to Cairo (Iwamoto, Ito, Ochi)
4		26	Sun	Meeting with the concerned of MOHNC
5		27	Mon	Meeting with the concerned of MOHNC
6		28	Tue	Meeting with the concerned of MOD, Report to JICA Office (Yoneda, Kato)
7		29	Wed	Meeting with the concerned of MOHNC and MOEIC, Signing of Minutes of Discussions by the concerned, Report to Embassy of Japan and JICA Office
8		30	Thu	Leave Cairo (08:00) and Arrive at Paris (11:40)
9		31	Fri	Leave Paris (20:15)
10	6	1	Sat	Arrive at Narita (15:00)

## **Appendix-3 List of Party Concerned in the Recipient Country**

### **1. The Government of the Arab Republic of Egypt**

#### **1.1 Ministry of Housing and New Communities**

##### **Central Development Organization**

<b>Eng. Mahmoud Khalil El Awny</b>	<b>Chairman of Central Development Organization</b>
<b>Mr. Farouk El Sonbaty</b>	<b>Former Chairman of Central Development Organization</b>
<b>Mr. Mohamed El Araby Rabie</b>	<b>Vice Chairman of Central Development Organization</b>
<b>Eng. Laila Kamel Bassoun</b>	<b>Chairman of Research and Studies Organization</b>
<b>Dr. Younes Amin Omar</b>	<b>Port and Marine Adviser</b>
<b>Dr. Mahmoud Helmy Awad</b>	<b>Port and Light House Adviser</b>
<b>Eng. Abdel Rahman Zaki</b>	<b>Chairman of North Coast Development Organization</b>
<b>Mr. Safwat Mahmoud Ghanem</b>	<b>Financial General Manager</b>
<b>Mr. Ahmed El Leathy</b>	<b>Financial Manager</b>
<b>Mr. Ahmed Tahsien</b>	<b>Vice Chairman of North Coast Development Organization</b>
<b>Mr. Abd El Aziz El Mahdy</b>	<b>Project Manager, North Suez Bay development Authority</b>
<b>Mrs. Hoda Abdel Rahman Raouf</b>	<b>Civil Engineer of Research and Studies Organization</b>

#### **1.2 Ministry of Agriculture**

##### **General Authority for Fish Resources and Development (GAFRD)**

<b>Mr. Abdalla M. Hammad</b>	<b>Undersecretary for Chairman</b>
<b>Eng. Mohamed Mossad Kamaun</b>	<b>Chairman for West Delta Authority</b>
<b>Mr. Mohamed El Shinawy</b>	<b>General Director</b>
<b>Mr. Abd El Hamed Gabran</b>	<b>General Manager, Ataqa Fishing Port</b>
<b>Mr. Ahmed Wahiel</b>	<b>Manager, Project Section, Ataqa Fishing Port</b>
<b>Mr. Alaa Eldin Effat</b>	<b>Project Section, Undersecretary of Development and Project</b>
<b>Mr. Magdy Louka Beshay</b>	<b>Engineer Section, Undersecretary of Development and Project</b>

### 1.3 Ministry of Sea Transport

Ms. Fayza S. Bahr	Director of Planning Department
Admiral Salah A. Mokhtar	Chairman, Alexandria Port Authority
Mr. Khairy Boshra	Head, Civil Department, Alexandria Port Authority
Mr. Amal Aly Darwish	Civil Department, Alexandria Port Authority
Mr. Hassan Khalil	Civil Department, Alexandria Port Authority
Mr. Mohamed Hassan	General Manager, Red Sea Port Authority

### 1.4 Ministry of Public Works

Shore Protection Authority	
Mr. Adly Khalifa Gaber	Chairman
Mr. Moh. Abdel D. El Alamawy	Head of Studies and Researches Sector
Ms. Hanoa Rasmy Fahmy	Studies and Researches Sector
Mr. Attia Omar	Alexandria Office

### 1.5 Egyptian Environmental Affairs Agency (EEAA)

Mr. Mohamed ABD El Moniem Farouk	Environmental Researcher
Dr. Mohamed A. Fawzi	NCWCP Officer, Water & Coastal Areas Protection
Ms. Sherine A. Fahmy	Environmental Researcher

### 1.6 Egyptian Meteorological Authority (EMA)

Mr. Naim A. Salem	Chairman, Board of Director
Dr. A. Adel Hasssan	

### 1.7 Ministry of Defense

Mr. Aly Fahmy Mahmoud

### 1.8 National Institute of Oceanography and Fisheries, Alexandria

Dr. Aii Ibrahim Beltagy	Director
Prof. Mohamed A. Ibrahim	Fisheries Division

### 1.9 Behaira Governorate

Mr. Mustafa Abu El Maaty	First Under Secretary
Mr. Moneer Ahmed Saleh	
Mr. Zamey M. El Shamey	
Mr. Mohamed Toto	

**Mr. Mohamed El Din**  
**Mr. Aly El Ba Son**

**1.10 Ministry of Economy and International Cooperation**

<b>Mr. Ahmed Ragaci</b>	<b>First Undersecretary</b>
<b>H.E. Mr. Wahib El Miniawy</b>	<b>Advisor to Minister of State</b>
<b>Ms. Zahia M. Abu Zeid</b>	<b>General Director, Asian Department</b>
<b>Mr. Mohsin M. Sadek</b>	<b>Director of Japan Department</b>

**2. Private Sectors**

**2.1 Maadia Fisherman's Cooperative**

**Mr. Mohamed M. Abouel Noha**      **Manager**

**2.2 Hussein Abou Shanab Co. for Maritime Industry**

**Mr. Hussein Abou Shanab**      **President**

**2.3 Sidi Bishe Ice Company**

**Mr. Mostafa El Batikhi**      **President**

**2.4 El Basha Ice Factory**

**Mr. Salama El Sayed**      **President**

**2.5 Fabrique de Filfs Mequdnics**

**Mr. Mohamed Eshra**      **President**

Appendix-4      Minutes of Discussion

MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY  
ON  
THE MAADIA FISHING PORT DEVELOPMENT PROJECT  
IN  
THE ARAB REPUBLIC OF EGYPT  
(FIRST FIELD STUDY)

In response to a request from the Government of Egypt, the Government of Japan has decided to conduct a Basic Design Study on the Maadia Fishing Port Development Project in the Arab Republic of Egypt (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA has sent to Egypt a Basic Design Study Team headed by Mr. YONEDA Hiroshi, Director of Second Basic Design Study Division, Grant Aid Study and Design Department, JICA, and the Team is scheduled to stay in the country from October 14 to November 9, 1995.

The team held a series of discussions with the officials concerned of the Government of Egypt and conducted a field survey at the study area.

In the course of discussions and field survey, both parties have confirmed the main items described on the attached sheets. The Team proceed to further works and prepare the Interim Report.

Cairo,  
October 24, 1995

\_\_\_\_\_  
Mr. Mohamed Farouk El Sonbaty  
Chairman  
Central Development Organization  
The Ministry of Development  
(MOD)  
*M.F. ELSONBATI*

Witnessed by

*Zahia M. Abu Zeid*  
\_\_\_\_\_  
Ms. Zahia M. Abu Zeid  
General Director, Asian Department  
Ministry of International Cooperation  
(MOIC)

*Yoneda Hiroshi*  
\_\_\_\_\_  
Mr. Yoneda Hiroshi  
Leader  
Basic Design Study Team  
Japan International Cooperation Agency  
(JICA)

*W. El Minaiawy*  
\_\_\_\_\_  
H.E. Mr. Wahib El Minaiawy  
Advisor for the Minister of  
International Cooperation (MOIC)

## ATTACHMENT

### 1. Objective

The objective of the Project is to improve fishing operation and handling by constructing fishing port in Maadia and facilities relating thereto thereby contributing to the fishery development in the west coast of Egyptian Mediterranean Sea.

### 2. Project Site

Maadia, Idko, Behera Governorate as shown in ANNEX I.

### 3. Responsible and Implementing Agencies

Responsible Ministry:

The Ministry of Development

The Ministry of Development will also act as a coordinator with other Egyptian authorities including the Custom Authorities for the smooth implementation of the Basic Design Study in accordance with the relevant laws and regulations of the Arab Republic of Egypt.

Implementing Agency after Construction:

Executive Organization for the Development of the Middle North Coast

### 4. Items requested by the Ministry of Development

- 1) The items requested by the Ministry of Development are listed in ANNEX II.
- 2) These Items are not necessarily approved by the Government of Japan ( see the paragraph 2. at ANNEX IV ). It is important to take into account the budget limitation of the Japanese side, whenever any project is appraised. Having this in mind, the size of the Basic Facilities would be affected by sizes and items of the Functional Facilities; if the Functional Facilities include more items and bigger sizes, then the Basic Facilities would be constructed on smaller scale. From this point of view, the Japanese side is required to formulate the Project in such a way that facilities and equipment could be used as much as possible after the construction and provision. On the other hand, the Ministry of Development is requested to put the items of the Functional Facilities in priority order.

### 5. Ice Making Plant

Fish catch in Maadia Port is estimated at an order of 60t/day in a peak season and a corresponding required volume of ice approximately equals to the fish catch. The Study Team has found in the field survey at Maadia that two ice making plants are in operation.

Accordingly, the Study team has concluded that an ice making plant is not needed in the Project. However, in the opinion of the Egyptian side, that including an ice plant is essential to ensure the required supply of ice for fishing purposes, taking into consideration other uses of ice in the Idko area, specially in summer.

### 6. Participants in the Discussions

List of the Study Team members and persons met by the Study Team are described in ANNEX III

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7. Japan's Grant Aid System

- 1) The Ministry of Development has understood the system of the Japan's Grant Aid explained by the Study Team; the main feature is described in ANNEX IV.
- 2) The Government of Egypt will take the necessary measures, described in ANNEX V for smooth implementation of the Project on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.

8. Further Schedule of the Study

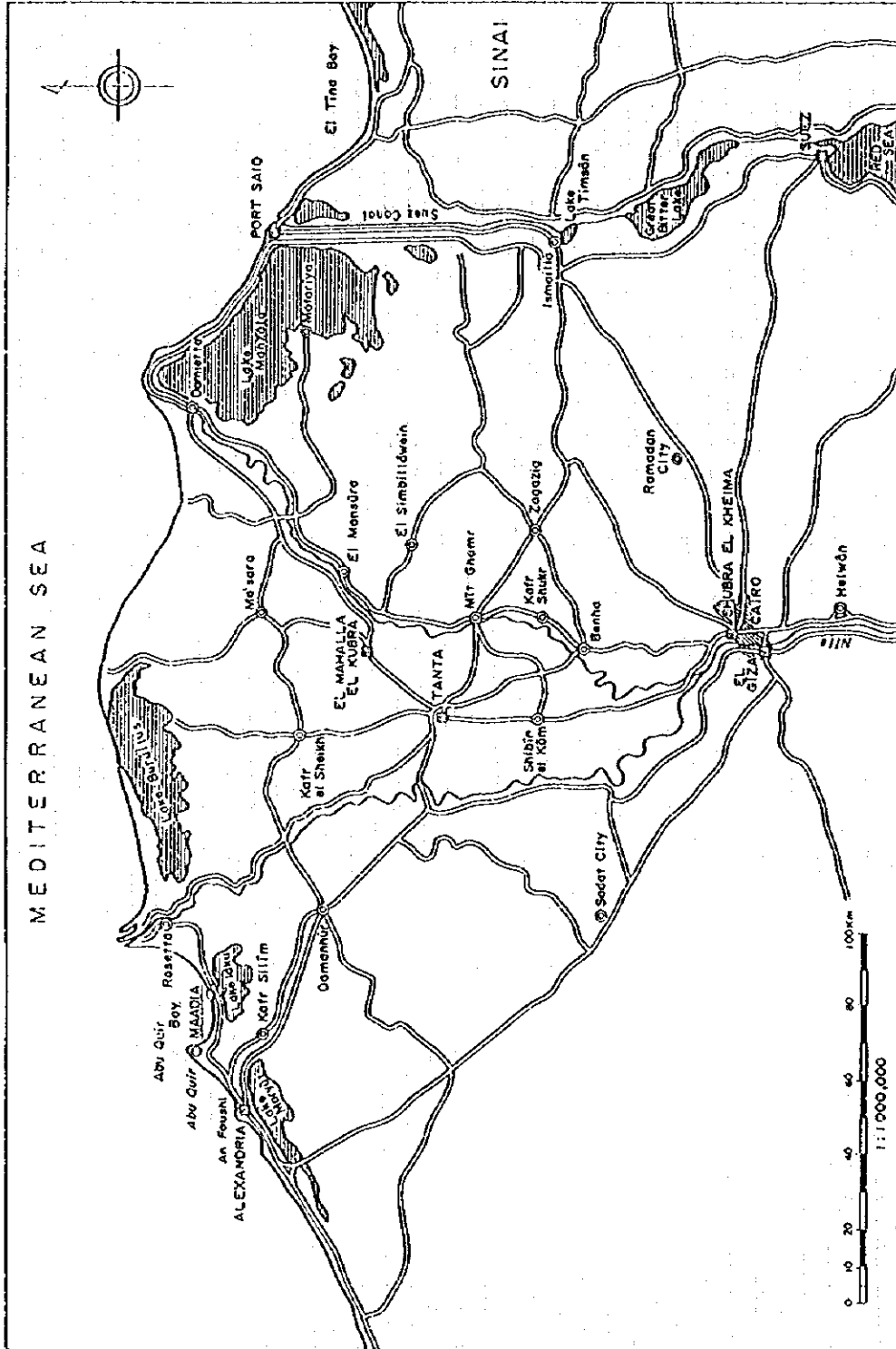
- 1) The Study Team will proceed to further studies in Egypt until November 11, 1995.
- 2) Based on the results of the first field study, JICA will prepare an interim report and dispatch a team in the middle of January 1996 for the second field study.
- 3) Based on the results so obtained, JICA will prepare a Draft Basic Design and dispatch a team in the middle of May 1996 in order to provide outline of the draft of the Basic Design Study.
- 4) Upon acceptance of the Draft Basic Design by the Ministry of Development, JICA will complete the Basic Design Report and forward it to the Ministry of Development around August 1996.
- 5) The schedule of the Basic Design Study is summarized in ANNEX VI.

9. Activities conducted by the Study Team are shown in ANNEX VII.

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Location Map of Maadia and Idko, Behera Governorate



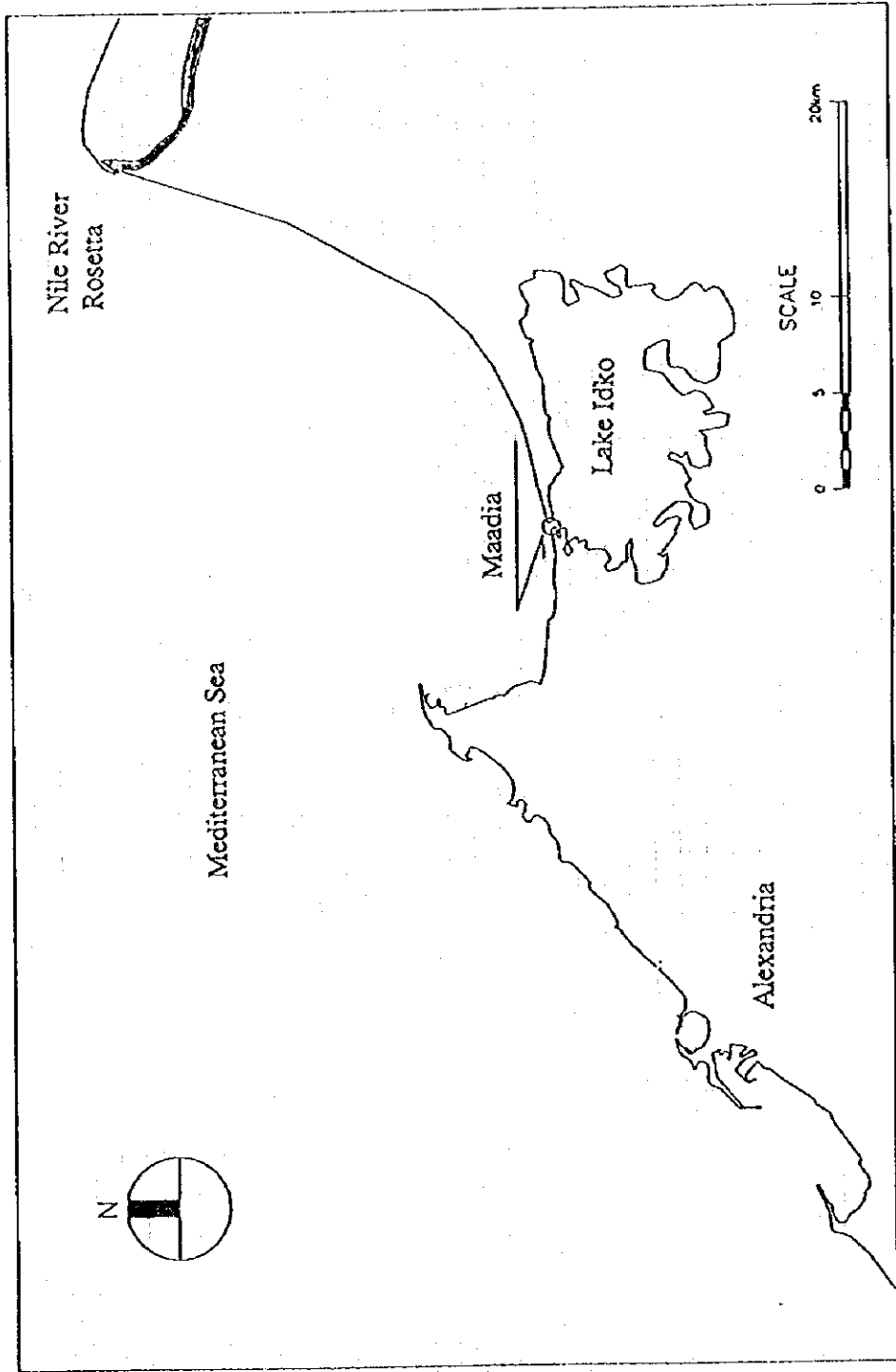
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ANNEX I(2)

Location Map of Maadia and Idko, Behera Governorate



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## ANNEX II

### ITEMS REQUESTED BY THE MINISTRY OF DEVELOPMENT

#### 1. Basic Facilities

- 1) Landing Quays
- 2) Idle Berthing Quays
- 3) Fuel Quay
- 4) Administration and Management Quay
- 5) Waterways and Basins (Dredging Work)
- 6) Revetment of Channels
- 7) Breakwaters
- 8) In-port Roads and Other Infrastructure

#### 2. Functional Facilities

- 1) Administration Buildings
- 2) Fish Handling Sheds and it's Washing Facilities
- 3) Water Tanks, and Related Facilities
- 4) Incinerator of Proper Capacity
- 5) Ice Making Plant and it's Store for One Day
- 6) Fence around the Port and Gate House(s)
- 7) Slipway for Local fishing Boat Repair and related Facilities

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ANNEX III(1)

PARTICIPANT IN THE DISCUSSIONS (JAPANESE SIDE)

<u>Name</u>	<u>Position</u>
1. Study Team	
Mr. YONEDA Hiroshi	Leader
Mr. NAKAGAWA Atsushi	Coordinator
Mr. NAKAIZUMI Masamitsu	Technical Adviser
Mr. KATO Hisanori	Consultant
Mr. OCHI Yutaka	Consultant
Mr. SASAO Kiyotaka	Consultant
Mr. TAKEUCHI Akira	Consultant
2. JICA in Egypt	
Mr. SHINODA Kunihiro	JICA Expert for GAFRD
Mr. Ahmed Saleh Fadl	

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ANNEX III(2)

PARTICIPANT IN THE DISCUSSIONS (EGYPTIAN SIDE)

<u>Name</u>	<u>Position</u>
1. Ministry of Development	
Central Organisation for Development	
Eng. Farouk El Sonbaty	Chariman of Central Organisation for Development
Mr. Mohamed El Araby Rabie	Vice Chairman of Central Organisation of Development
Dr. Younes Amin Omar	Port and Mairne Adviser
Eng. Laila Kamel Barsoum	Chairman of Research and Studies Organization
Eng. Abdel Rahman Zaki	Chariman of North Coast Development organisation
Mr. Safwat Mahmoud Ghanem	Financial Manager
2. Ministry of Agriculture	
General Authority for Fish Resources and Development (G.A.F.R.D.)	
Mr. Abdalla M. Hammiad	Undersecrery for Chairman
Eng. Mohamed Mossad Kaman	Chairman for West Delta Authority
Mr. Mohamad El Shinawy	General Director
Eng. Alaa Eldin Effat	Project Section, from Undersecretary of Development and Project
Eng. Magdy Louka Beshay	Engineer Section, from Undersecretary of Development and Project
3. Ministry of Maritime Transport	
Admiral Salah A. Mokhtar	Chairman of Alexandria Port Authority
4. Ministry of Defence	
Mr. Aly Fahmy Mahmoud	
5. Behaira Governorate	
Mr. Moneer Ahmed Saleh	
6. Egyptian Environmental Affairs Agency	
Mr. Serag Eldin Enab	
7. Coastal Protection Authority	
Mr. Mohamed Elalmawy	Head of Sector Execution
8. Ministry of International Cooperations	
H.E. Mr. Wahib El Miniawy	Advisor to Minister of State
Ms. Zahia M. Abu Zeid	General Director, Asian Department
Mr. Mohsin M. Sadek	Director of Japan Department

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## ANNEX IV

### JAPAN'S GRANT AID SCHEME

#### 1. Grant Aid Procedure

1) Japan's Grant Aid Program is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Appraisal by Cabinet)
Determination of Implementation	(The Notes exchanged between the Governments of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Government of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

#### 2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study, conducted by JICA on the requested project, is to provide basic documents necessary for the appraisal of the project by the Government of Japan. The contents of the study are as follows:

- a) confirmation of the background, objectives and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the project's implementation;
- b) evaluation of the appropriateness of the project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the project;
- d) preparation of a basic design of the project; and
- e) estimation of costs of the project.

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The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the project. Therefore, the implementation of the project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultant

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firm(s) based on proposal submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study is (are) recommended by JICA to the recipient country to also work on the project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process be repeated.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed. However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country. However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

6) Undertakings required to the Government of the recipient country

- a) to secure a lot of land necessary for the construction of the Project;
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;
- c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid.
- d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts.
- e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
- f) to ensure that under the Grant be maintained and used properly and effectively for the project, and
- g) to bear all the expenses other than those covered by the Grant, necessary for the project.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid.

8) "Re-export"

The products purchased under the Grant Aid shall not <sup>be</sup> re-exported from the recipient country.

9) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank". The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of recipient country or its designated authority.

M.F

ANNEX V

UNDERTAKINGS BY THE GOVERNMENT OF EGYPT

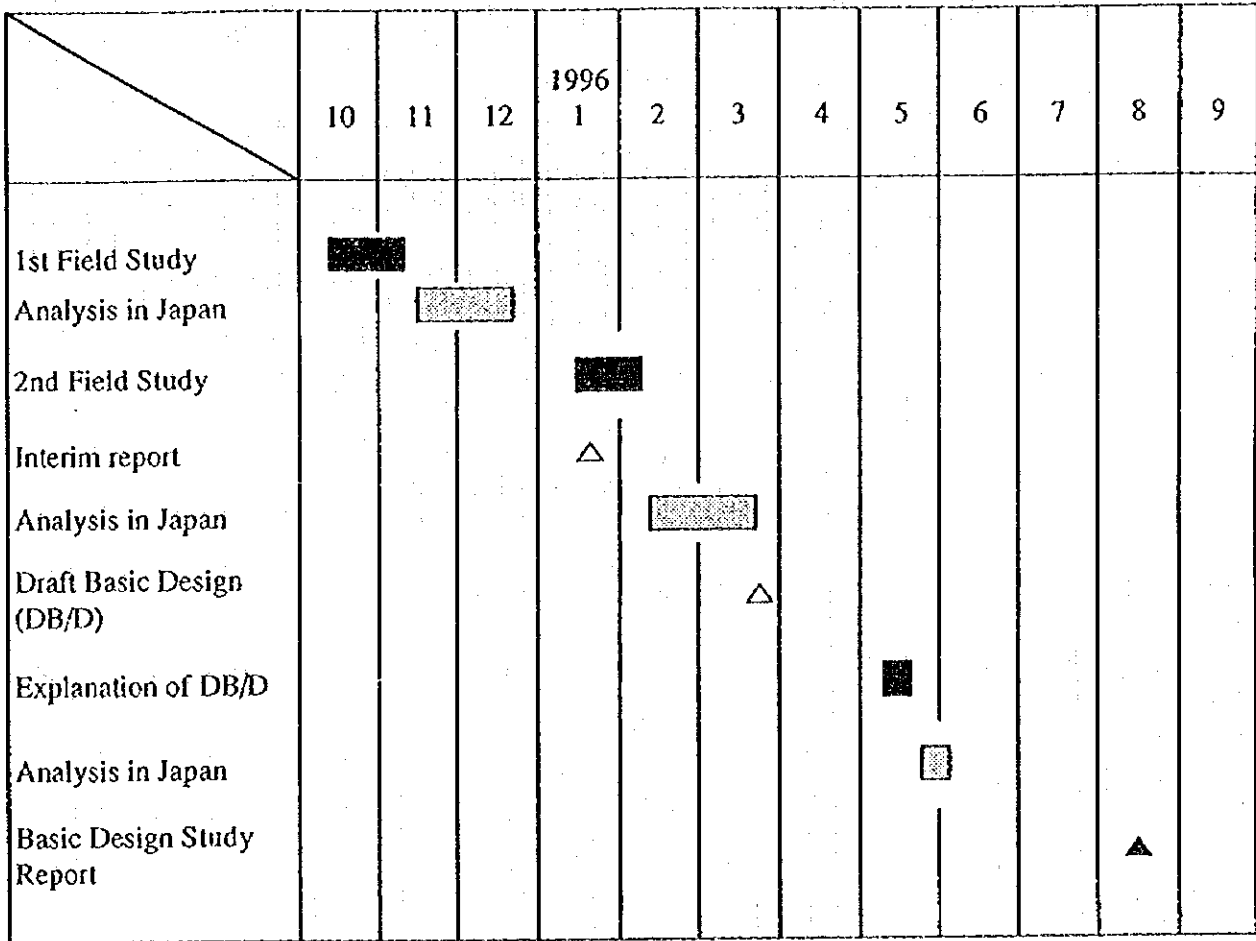
1. To secure area at the site necessary for the Project ;
2. to clear, level and reclaim the site prior to the commencement of the construction;
3. to provide facilities for distribution of electricity, water supply and drainage to the site and other incidental facilities outside the site;
4. to secure disposal area for dredged soil ;
5. to ensure prompt unloading and customs clearance at ports of disembarkation in Egypt and internal transportation in Egypt of the products purchased under the Grant;
6. to secure, with respect to the supply of the products and services under the verified contracts that Japanese nationals shall not be subject to any customs duties, internal taxes and other fiscal levies which may be imposed in the Arab Republic of Egypt;
7. to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such facilities as may be necessary for their entry into Egypt and stay there in for the performance of their work in accordance with the relevant laws and regulations of the Arab Republic of Egypt;
8. to ensure that the facilities and equipment under the Grant will be maintained and used properly and effectively for the Project after the construction; and
9. to bear all the expenses other than those covered by the Grant, necessary for the execution of the Project.

A.F



ANNEX VI

Further Schedule of the Study



H.F

Alt

## ANNEX VII

### Activities of the Study Team

<u>Day</u>	<u>Time</u>	<u>Study Record</u>
Oct. 14th (Sat)	2330	Arrival in Cairo (BA 155)
Oct. 15th (Sun)	0930 1115 1230 1400	Meeting at Japan International Cooperation Agency (JICA) Meeting at Japanese Embassy in Egypt Meeting at Ministry of International Cooperation Meeting at Ministry of Development
Oct. 16th (Mon)	1030	Meeting at Ministry of Development with Authorities Concerned
Oct. 17th (Tue)		Move from Cairo to Alexandria
	1200	Courtesy Call (Governor of Behira Governorate)
Oct. 18th (Wed)	1000	Site Survey at Maadia
Oct. 19th (Thu)	1000	Site Survey at An Foushi and Ice Making Factory in Alexandria Move from Alexandria to Cairo
Oct. 20th (Fri)		Team Meeting
Oct. 21st (Sat)	1000	Site Survey at Fish Markets in Cairo
Oct. 22nd (Sun)		Move from Cairo to Suez
	1000	Courtesy Call to Suez Governorate Site Survey at Ataq port Move from Suez to Cairo
Oct. 23rd (Mon)	1000	Discussion with the Ministry of Development with Authorities Concerned
Oct. 24th (Tue)	0900 1400	Discussion with the Ministry of Development with Authorities Concerned Signing of Minutes of Discussion
Oct. 25th (Wed)	1000 1400	Meeting at Japan International Cooperation Agency (JICA) Meeting at Japanese Embassy in Egypt
Oct. 26th (Thu)	0845	Leave Cairo by BA 154 (Mr. Yoneda, Mr. Nakagawa and Mr. Nakaizumi)
Nov. 9th (Thu)	1430	Leave Cairo by MS 791 (Mr. Kato, Mr. Ochi, Mr. Sasao and Mr. Takeuchi)

M.F

**MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY  
ON  
THE MAADIA FISHING PORT DEVELOPMENT PROJECT  
IN  
THE ARAB REPUBLIC OF EGYPT  
(Second Field Study)**

In October 1995, Japan International Cooperation Agency (JICA) dispatched the Basic Design Study Team (First Field Study) on the Maadia Fishing Port Development Project (hereinafter referred to as "the Project") in the Arab Republic of Egypt. As a result of discussions, field study in Egypt and technical assessment conducted in Japan, JICA has prepared the Interim Report on the study.

In order to discuss and consult with the officials concerned of the Government of Egypt on the components of the study based on the Interim Report, and to conduct further field study, JICA sent to Egypt the Basic Design Study Team (Second Field Study) headed by Mr. KOYA Takashi, Assistant Director, Office of the Overseas Fisheries Cooperation, Oceanic Fisheries Department, Fisheries Agency, which is scheduled to stay in the country from January 10 to February 6, 1996.

The Study Team held a series of discussions with the officials concerned of the Government of Egypt and conducted field survey.

In the course of the discussions and the field study, both parties have confirmed the main items described on the attached sheets. The Study Team will proceed to further works and prepare the Basic Design Study Report.

Cairo, January 21, 1996

\_\_\_\_\_  
Mr. Mohamed El Araby Rabie  
Vice Chairman  
Central Development Organization  
The Ministry of Housing and New Communities

*M. El Araby*

Witnessed by

*Takashi Koya*

\_\_\_\_\_  
Mr. KOYA Takashi  
Leader  
Basic Design Study Team  
JICA

*Zahia M. Abu Zeid*

\_\_\_\_\_  
Ms. Zahia M. Abu Zeid  
General Director  
Asian Department  
Ministry of Economy and International  
Cooperation (MOEIC)

## ATTACHMENT

### 1. Component of the Interim Report

The Ministry of Housing and New Communities has understood and accepted in principle the components of the Interim Report prepared by the Study Team.

### 2. Responsible and Implementing Authorities of the Government of Egypt

Responsible Ministry

The Ministry of Housing and New Communities

Implementing Agency

Executive Organization for the Development of the Middle North Coast

### 3. Management Authority of the Government of Egypt

General Authority for Fish Resources Development

### 4. Items requested by the Ministry of Housing and New Communities

The items requested by the Ministry of Housing and New Communities are listed in ANNEX I. This ANNEX is updated from the ANNEX III of the Minutes of Discussions of the First Field Study signed on October 24, 1995.

### 5. Move of Fishing Boats to the New Fishing Port

The Government of Egypt shall take necessary measures to ensure the move of fishing boats in the present port to new fishing port.

### 6. Japan's Grant Aid System;

- 1) The Ministry of Housing and New Communities has understood the system of the Japan's Grant Aid explained by the Study Team; the main feature is described in ANNEX II.
- 2) The Ministry of Housing and New Communities will take necessary measures, described in ANNEX III for the smooth implementation of the Project on condition that the Japan's Grant Aid is extended to the Project.

### 7. Ataqqa Fishing Port

The Study Team, with the assistance from the Government of Egypt, visited Ataqqa Fishing Port on January 15 which was constructed under the Japan's Grant Aid in 1993. The objective of this visit is to gather useful information for the management of New Maadia Fishing Port. The Study Team got the impression that Ataqqa Fishing Port - and its related facilities including slipway / shipyard (for more information, see ANNEX IV) - had played a substantial role in the promotion of the region and the fisheries.

### 8. Evaluation Model for Littoral Drift / Siltation and Erosion

Numerical Model will be conducted in order to evaluate the effects of littoral drift / siltation and erosion.

*A. Elwanly*

**9. Further Schedule of the Study**

- 1) The Study Team will proceed to further studies in Egypt until February 6, 1996.
- 2) Based on the Minutes of Discussions and technical examination of the study results, JICA will prepare the Draft Basic Design and dispatch a team around May 1996 in order to consult on the outline of the Draft Basic Design.
- 3) Results, concerning the environment impact assessment and that of the mathematical model should be sent to the Ministry of Housing and New Communities, at least two weeks before the Draft Basic Design Report submission .
- 4) Upon acceptance of the Draft Basic Design by the Ministry of Housing and New Communities, JICA will complete the Basic Design Study Report and forward it to the Ministry of Housing and New Communities around August 1996.

**10. Participants In the Discussions**

List of the Study Team and persons met by the Study Team are described in ANNEX V.

**11. Activities Conducted by the Study Team**

Activities conducted by the Study Team are shown in ANNEX VI

*M. Harag*

*T.K.*

## ANNEX I: ITEMS REQUESTED BY THE MINISTRY OF HOUSING AND NEW COMMUNITIES

### 1. Basic Facilities

- (1) Landing Quays
- (2) Idle Berthing Quays
- (3) Fuel Quays
- (4) Administration and Management Quays
- (5) Entrance Channels and Basins (Dredging Work)
- (6) Revetment Works
- (7) Breakwaters
- (8) In-Port Roads and Other Infrastructure
- (9) Garbage collection areas

### 2. Functional Facilities

- (1) Administration Buildings
- (2) Slipway for Local Fishing Boat Repair
- (3) Fish Handling Sheds
- (4) Fresh Water Tanks and Related Facilities
- (5) Ice Storage
- (6) Incinerator
- (7) Ice Making Plant
- (8) Washing Facilities for Fish Handling Sheds by Sea Water

#### NOTE:

Japanese side stresses that this project is under the budget limitation. In this connection, if budget allocated is not much enough to cover all requests, priority will be given as following procedure:

1. Basic Facilities are constructed. In case of budgetary shortage, size of facilities is scaled down without affecting proper functions of the Port;
2. Functional Facilities are constructed within the available budget. In case of budgetary shortage, items of the Functional Facilities to be constructed are limited. The list of the Functional Facilities above is in priority order;
3. From the view point of Egyptian side, items of all the Basic Facilities and Functional Facilities from (1) to (6) are a must.

*A. El-Wady*

T.K.

## ANNEX II: JAPAN'S GRANT AID SCHEME

### 1. Grant Aid Procedure

1) Japan's Grant Aid Program is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan & Approval by Cabinet)
Determination of Implementation	(The Notes exchanged between the Governments of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Government of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

### 2. Basic Design Study

#### 1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on the requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

- a) confirmation of the background, objectives and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the project's implementation;
- b) evaluation of the appropriateness of the project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project;
- d) preparation of a basic design of the Project; and

*M. Mori*

e) estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participate the Study and prepare a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design as well as to avoid any undue delay caused by the selection of a new consulting firm.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a

*M. U. Ochi*



maximum of one fiscal year at most by mutual agreement between the two Governments.

- 4) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

- 5) Necessity of "Verification"

(1) The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

(2) Tender Results, names of tenderers, name of awarded tenderer and its tendered price, will be provided for public reading by both Government of Japan and the recipient country after the verification of contract.

- 6) Undertakings required to the Government of the recipient country

- a) to provide suitable land area necessary for the construction of the Project and to clear the site;
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;
- c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid.
- d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts.
- e) to ensure that the facilities constructed and products purchased under the Grant be maintained and used properly and effectively for the Project, and
- f) to bear all the expenses other than those covered by the Grant, necessary for the Project implementation.

- 7) "Re-export"

The products purchased under the Grant Aid shall not re-exported from the recipient country.

- 8) Banking Arrangement (B/A)

*M. H. ardy*

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank". The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of recipient country or its designated authority.

*Y. Haruh*

T.K.

### ANNEX III: UNDERTAKINGS BY THE GOVERNMENT OF EGYPT

1. to provide area at the site necessary for the Project;
2. to clear the site prior to the commencement of the construction;
3. to provide facilities for distribution of electricity, water supply, drainage and other facilities outside the site;
4. to allocate disposal areas for dredged soil;
5. to ensure prompt unloading and customs clearance at ports of disembarkation in Egypt;
6. to secure, with respect to the supply of the products and services under the verified contracts that Japanese nationals shall not be subject to any customs duties, internal taxes and other fiscal levies which may be imposed in the Arab Republic of Egypt;
7. to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into Egypt and stay therein for the performance of their work in accordance with the relevant laws and regulations of the Arab Republic of Egypt.
8. to ensure that the facilities and equipment under the Grant will be maintained and used properly and effectively for the Project after the construction ; and
9. to bear all the expenses other than those covered by the Grant, necessary for the execution of the project.

*M. Elandy*

T.K.

**ANNEX IV: OUTCOME OF THE STUDY TEAM CONCERNING THEIR VISIT  
TO ATAQA FISHING PORT ON 15 JAN. 1995**

1. Maintenance and management of the slipway / shipyard has been undertaken by Rite Company which was appointed through a tender procedure on 28th February, 1995.
2. The lease contract between the Company and the Red Sea Port Authority, the owner of the slipway / shipyard, is preserved in the headquarter of the Authority.
3. Main service of the Company is up-and-down handling of fishing boats. The charge for the service is 800 LE / wooden boat and 1,000 LE / steel boat respectively.  
The Company pays 120,000 LE to the Authority as an annual lease fee. This amount will be deposited in a general account.
4. Last year 45 vessels used the facility, but, zero before leasing.
5. While most of the vessels are repaired by ship owners -35 out of 45 in 1995- , the Company can provide repairing services. Ten vessels were repaired by the Company in 1995.
6. During the repair, the ship owners pay 15 LE / day to the Company.

*M. Haraj*

T. K.

## ANNEX V (1): PARTICIPANTS IN THE DISCUSSIONS(JAPANESE SIDE)

Name	Position
1. Study Team	
Mr. KOYA Takashi	Leader
Mr. NAKAGAWA Atsushi	Coordinator
Mr. NAKAIZUMI Masamitsu	Technical Adviser
Mr. KATO Hisanori	Consultant
Mr. OCHI Yutaka	Consultant
Mr. SASAO Kiyotaka	Consultant
Mr. TAKEUCHI Akira	Consultant
Mr. KATUSUHARA Kouichi	Consultant
Mr. DATE Yukitaka	Consultant

### 2. JICA in Egypt

Mr. SHINODA Kunihiro	JICA Expert for GAFRD
Mr. Mahmoud Abd El-Halim	JICA Egypt Office

*M. El. araby*

T. K.

## ANNEX V (2): PARTICIPANTS IN THE DISCUSSIONS(EGYPT SIDE)

Name	Position
<b>1. Ministry of Housing and New Communities</b>	
Eng. Mahmoud Khalil El Awny	Chairman of Central Organization for Development
Mr. Mohamed El Araby Rabie	Vice Chairman of Central Organization for Development
Eng. Laila Kamel Barsoum	Chairman of Research and Studies Organization (R.S.O)
Dr. Younes Amin Omar	Port and Marine Adviser
Eng. Abdel Rahman Zaki	Chairman of North Coast Development Organization
Mr. Safwat Mahmoud Ghanem	Financial General Manager
Mr. Ahmed EL Leathy	Financial (MOHANC)
Mrs. Hoda Abdel Rahman Abdel Raouf	R.S.O.(Civil Engineer)
<b>2. Ministry of Agriculture</b>	
General Authority for Fish Resources Development (GAFRD)	
Mr. Abdalla M. Hammad	Chairman
Eng. Mohamed Mossad Kamaun	Chairman for West Delta Authority
Mr.Mohamed El Shinawy	General Director International Cooperation
<b>3. Ministry of Maritime Transport</b>	
Ms. Fayza S. Bahr	Director of Planning Dept./ Technical Secretariat of the High Technical Committee
Mr. Kohriki Kenjiro	JICA Expert for Ministry of Maritime Transport
<b>4. Behiara Governorate</b>	
Mr. Moneer Ahmed Saleh	
<b>5. Egyptian Environmental Affairs Agency</b>	

*M. Elandy*

*T.K.*

Mr. Mohomed Farouk SHAN  
Ms. Sherine A. Fahmy

Environmental Researcher  
Environmental Researcher

6. Shore Protection Authority

Mr. Mohamed El-Alamawy

Head of Sector Execution

7. Ministry of Economy and International Cooperation

Ms. Zahia M. Abu Zeid  
Mr. Mohsin M. Sadek

General Director, Asian Department  
Director of Japan Department

*M. El-Alamawy*

T. K.

## ANNEX VI

## Activities of the Study Team

Day	Time	Study Record
Jan. 10th (Wed)	21:35	Arrival in Cairo (AZ898)
Jan. 11th (Thu)	09:00	Meeting at JICA Egypt Office
	10:00	Meeting at Japanese Embassy in Egypt
	12:00	Meeting at Ministry of Housing and New Communities
Jan. 12th (Fri)		Team Meeting
Jan. 13th (Sat)	10:00	Meeting at Ministry of Housing and New Communities with Authorities Concerned
Jan. 14th (Sun)	09:30	Meeting at Ministry of Housing and New Communities with Authorities Concerned
Jan. 15th (Mon)	08:00	Site Survey at Ataqqa Fishing Port
Jan. 16th (Tue)	13:30	Site Survey at Maadia Fishing Port
Jan. 17th (Wed)	06:00	Site Survey at An Foushi Fishing Port
Jan. 18th (Thu)	10:00	Meeting at Ministry of Housing and New Communities with Authorities Concerned
	13:30	Meeting at Ministry of Economy and International Cooperation
Jan. 19th (Fri)		Team Meeting
Jan. 20th (Sat)	09:30	Meeting at Ministry of Housing and New Communities with Authorities Concerned
Jan. 21st (Sun)	10:30	Signing of Minutes of Discussions
	11:30	Meeting at Japanese Embassy in Egypt
	12:30	Meeting at JICA Egypt Office
Jan. 22nd (Mon)	08:45	Leave Cairo by BA154 (Mr. Koya, Mr. Nakagawa and Mr. Nakaizumi)
Jan. 26th (Fri)	08:45	Leave Cairo by BA154 (Mr. Ochi, Mr. Katsuhara and Mr. Date)
Jan. 29th (Mon)	08:45	Leave Cairo by BA154 (Mr. Takeuchi)
Feb. 6th (Tue)	08:45	Leave Cairo by BA154 (Mr. Kato and Mr. Sasao)

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T.K.



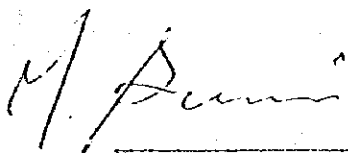
**MINUTES OF DISCUSSIONS  
ON  
THE DRAFT BASIC DESIGN STUDY  
FOR  
MAADIA FISHING PORT DEVELOPMENT PROJECT  
IN  
THE ARAB REPUBLIC OF EGYPT  
(Consultation on the Draft Basic Design)**

The Japan International Cooperation Agency (JICA) dispatched two Basic Design Study Teams for the Maadia Fishing Port Development Project (hereinafter referred to as "the Project") to the Arab Republic of Egypt in October 1995 and January 1996. As a result of the series of discussions, field survey in Egypt and technical assessment conducted in Japan, JICA prepared the Draft Basic Design for the Project.

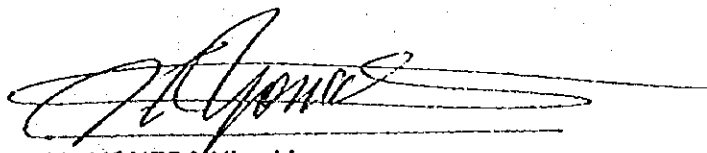
To inform the Egyptian side with the components of the Draft Basic Design, JICA sent to Egypt the Study Team for the Draft Basic Design headed by Mr. YONEDA Hiroshi, Director of Second Project Study Division, Grant Aid Project Study Department, JICA. The team stayed in Egypt from May 24 to May 29, 1996 and submitted the Draft Basic Design to Egyptian side on May 25, 1996.

As a result of discussions, both sides in principle agreed to recommend the main items described in the attached sheets to the respective governments.

Cairo, May 29, 1996

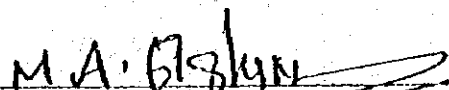


Eng. Mahmoud Khalil El Awny  
Chairman  
Central Organization for Development  
The Ministry of Housing and New Communities

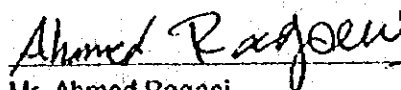


Mr. YONEDA Hiroshi  
Leader  
Basic Design Study Team  
Japan International Cooperation Agency

Witnessed by



Mr. Mohamed El Shinawy  
General Director for Agreements and Foreign Contracts  
On behalf of Chairman, Eng. Abdalla M. Hammiad  
General Authority for Fish Resources and Development  
Ministry of Agriculture



Mr. Ahmed Ragaei  
First Undersecretary  
Ministry of Economy and International Cooperation

## ATTACHMENT

### 1. Participants in the Discussions and Team's Activities

During the Team's stay in Egypt from 24 to 29 May 1996, Japanese and Egyptian sides had a series of discussions on the Draft Basic Design Study of Maadia Fishing Port under the Project. List of participants in the discussions is shown in Annex 1. Activities of the Team are shown in Annex 2. Outline of the discussions is appearing in the following paragraphs.

### 2. Components of the Draft Basic Design

The Egyptian side has in principle agreed to the components of the Draft Basic Design proposed by the Study Team; the components confirmed with some alteration during the Team's stay are shown in Annex 3.

### 3. Provision of Comments on the Draft Report

Comments to the Draft Basic Design Study will be sent by the Egyptian side within two weeks from the date of this Minutes of Discussions. The comments will relate to technical or detailed matters.

Both sides discussed about the effect of the Port construction on the coast east of the port. According to the Draft Basic Design Study, the erosion of this coast is negligible. Concerning this matter, however, the Egyptian Shore Protection Authority will prepare the comments which will be included in the above comments.

### 4. Land for the Project Site

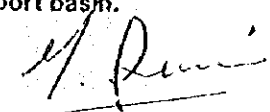
The Egyptian side informed that the expected construction site including access road is owned by the Government of Egypt. The Egyptian side also provided a letter indicating that the Government of Egypt is the owner of the expected area for the Project site. The letter is accompanied by a certification to the same effect, faxed from the Behera Governorate to the Ministry of Housing and New Communities. The letter is attached as Annex 4.

The Egyptian side needs to take action for clearing all physical/legal obstacles so that the Japanese consultants may start site survey in August/September and carry out subsequent construction work. The Egyptian side is to clear the obstacles in seven weeks from the date of this Minutes of Discussions.

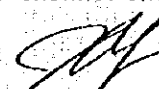
### 5. Management of the Maadia Fishing Port

After completing the port construction, GAFRD will be responsible for the port management including maintenance dredging and maintenance of the port facilities. GAFRD has already organized Lake Idko Management Board relating to the Maadia Fishing Port and the Lake Idko.

As the Japanese side wishes that the port area/facilities will be well dredged and maintained, GAFRD is requested to provide some professional staff for the maintenance of whole port facilities (electricity, water supply, oil pipelines, lightings, etc.) and for monitoring and survey of the natural conditions of the entrance channel and port basin.



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**6. Position of the Old Maadia Fishing Port**

The Egyptian side is responsible for the moving of all motorized fishing boats to the proposed new port. GAFRD will be responsible for guiding the fishing boats in the port area in cooperation with water surface police and coast guard.

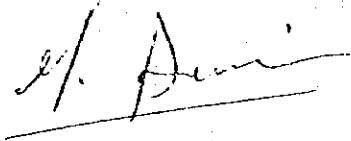
**7. Japan's Grant Aid System**

The Ministry of Housing and New Communities has understood the system of the Japan's Grant Aid, an information paper of which was attached to the previous team's minutes of discussions dated 21 January 1996.

The Government of Egypt will take necessary measures shown in Annex 5 for smooth implementation of the Project if the Grant Aid Assistance by the Government of Japan is extended to the Project.

**8. Further Schedule of the Study**

Taking into consideration what has been agreed on in this Minutes of Discussions and note of comments which will be sent in two weeks' time, JICA will complete the Basic Design Report and forward it in its final form to the Ministry of Housing and New Communities in September 1996.


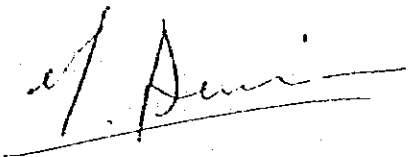
  
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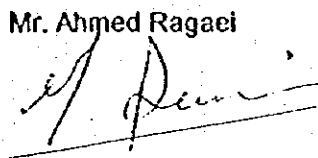



**ANNEX 1(1) PARTICIPANTS IN THE DISCUSSIONS (JAPANESE SIDE)**

<u>Name</u>	<u>Position</u>
<b>1. Study Team</b>	
Mr. YONEDA Hiroshi	Leader
Mr. IWAMOTO Yasuaki	Grant Aid Planner
Mr. ITO Shoichi	Technical Adviser
Mr. KATO Hisanori	Consultant
Mr. OCHI Yutaka	Consultant
<b>2. JICA in Egypt</b>	
Mr. SHINODA Kunihiro	JICA Expert for GAFRD
Mr. KOMATSU Yutaka	JICA, Egypt Office
Mr. Ahmed Saleh Fadi	JICA, Egypt Office



**ANNEX 1(2) PARTICIPANTS IN THE DISCUSSIONS (EGYPTIAN SIDE)**

<u>Name</u>	<u>Position</u>
<b>1. Ministry of Housing and New Communities</b>	
Eng. Mahmoud Khalil El Awny	Chairman of Central Development Organization
Mr. Mohamed El Araby Rabie	Vice Chairman of Central Development Organization
Eng. Laila Kamel Bassoum	Chairman of Research and studies Organization
Dr. Younes Amin Omar	Port and Marine Adviser
Dr. Mahmoud Helmy Awad	Port and Light House Adviser
Eng. Abdel Rahman Zaki	Chairman of North Coast Development Organization
Mr. Safwat Mahmoud Ghanem	Financial General Manager
<b>2. Ministry of Agriculture</b>	
General Authority for Fish Resources and Development (GAFRD)	
Mr. Abdalla M. Hammad	Chairman
Eng. Mohamed Mossad Kamaun	Chairman for West Delta Authority
Mr. Mohamed El Shinawy	General Director
<b>3. Ministry of Maritime Transport</b>	
Ms. Fayza S. Bahr	Director of Planning Department
<b>4. Egyptian Environmental Affairs Agency</b>	
Mr. Mohamed ABD El Moniem Farouk	Environmental Researcher
<b>5. Coastal Protection Authority</b>	
Mr. Mohamed El Almawy	Head of Sector Execution
<b>6. Behera Governorate</b>	
Mr. Mohamed Toto	
Mr. Mohamed El Din	
Mr. Aly El Ba Son	
<b>7. Ministry of Economy and International Cooperation</b>	
Mr. Ahmed Ragaei	First Undersecretary
	

## ANNEX 2 ACTIVITIES OF THE STUDY TEAM

Day	Time	Study Record
May 24th (Fri)	0050	Arrival in Cairo (KL-553)
	0900	Team Meeting (Mr. Yoneda and Mr. Kato) Site Survey at Maadia Fishing Port (Mr. Iwamoto, Mr. Ito and Mr. Ochi)
May 25th (Sat)	1000	Meeting at Ministry of Economy and International Cooperation
	1115	Meeting at Ministry of Housing and New Communities
	1300	Meeting at General Authority for Fish Resources Development (Mr. Yoneda and Mr. Kato) Site Survey at Ataqqa Fishing Port (Mr. Iwamoto, Mr. Ito and Mr. Ochi)
May 26th (Sun)	1000	Meeting at Ministry of Housing and New Communities
May 27th (Mon)	1000	Meeting at Ministry of Housing and New Communities
May 28th (Tue)	1000	Meeting at Ministry of Housing and New Communities
	1500	Meeting at Japan International Cooperation Agency (JICA) (Mr. Yoneda and Mr. Kato)
May 29th (Wed)	0900	Meeting at Ministry of Housing and New Communities
	1100	Signing of Minutes of Discussions
	1400	Meeting at Japanese Embassy in Egypt
	1600	Meeting at Japan International Cooperation Agency (JICA)
May 30th (Thu)	0800	Leave Cairo by AF 8003

*M. Davis*

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ANNEX 3 COMPONENTS OF THE DRAFT BASIC DESIGN

FACILITIES TO BE INCLUDED IN THE PROJECT

Facility and Scope	Requested	Planned	Construction
West Groin	120 m	100 m	Japan
Central Breakwater	130 m	350 m	Japan
East Breakwater	200 m	315 m	Japan
Beacon Light		2 units	Japan
Outer Revetment		350 m	Japan
Approach Channel			Japan
Basin (-4.0m)	500,000m <sup>3</sup>	432,000m <sup>3</sup>	Japan
Basin (-2.5m)			Japan
Quay for Landing, etc.	1,315 m	1,315 m	Japan
Quay Apron		10 m wide	Japan
In-port Road	1,465 m	1,115 m	Japan
East Revetment		150 m	Japan
West Revetment	180 m	120 m	Japan
East Open Yard		28,000 m <sup>2</sup>	Japan
West Open Yard		18,000 m <sup>2</sup>	Japan
Slipway		1 unit	Egyptian Private Sector
Winch		1 unit	Egyptian Private Sector
Administration Office	600 m <sup>2</sup>	498 m <sup>2</sup>	Japan
Fish Handling Shed	600 m <sup>2</sup>	225 m <sup>2</sup>	Japan
Sea Water Washing Facility		1 unit	Egypt
Ice Storage	500 m <sup>2</sup>	225 m <sup>2</sup>	Japan
Public Toilet		2 units	Japan
Sewage System		1 L/S	Japan
Water Receiver Tank	4 t	120 t	Japan
Pump House		1 unit	Japan
Elevated Tank		9 t	Japan
Garbage Collection Area		3 units	Japan
Incinerator		1 unit	Egypt
Electric Substation and Network		1 unit	Japan
Lighting Facility		1 L/S	Japan
Water Supply Pipeline Network		1 set	Japan
Fuel Supply Pipeline		1 set	Japan
Fuel Tank		2 unit	Egyptian Private Sector
Fence and Gate House		1 set	Egypt
Access Road		1 set	Egypt

(Japan: Japanese Government, Egypt: Egyptian Government)

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ANNEX 4



ARAB REPUBLIC OF EGYPT  
MINISTRY OF HOUSING AND UTILITIES AND URBAN COMMUNITIES  
\*\*\*\*\*

Minister's Office  
.....

Date : May/28/1996

From : The Chairman Central Organization For Development

To : MR YONEDA HIROSHI

Leader Basic Design Study Team . (Jica)

Dear Sir

I like to inform you that the Governorte of Behera, will allocate the land necessary for the construction of the proposed Maadia.Fishing port & the access road free from any obstacles within seven weeks from today .

This is in accordance of the attached Fax. of the Behera Governorate .

M.A .

yours Truly,

Mr.MOHAMED EL ARABY RABIE

Vice Chairman

Central Development Organization



بسم الله الرحمن الرحيم

محافظة البحيرة

الوحدة المحلية لمركز ومدينة إدكو

الإدارة الهندسية

\*\*\*\*\*

السيد المهندس / مدير الجسور الكهزاني لادكو

رشد الاقرا

بالإشارة إلى مشروع إنشاء جسر يد مدنية بمحافظة البحيرة - مركز إدكو وحدة ومن  
المكونة اليابانية وبناء على طلب الجانب الياباني أثناء الاجتماعات التي عقدت معه  
بالتفاهرة خلال الفترة من ٥/٢٥ إلى ٥/٢٨ من ضرورة تخصيص أرض المشروع والطريق  
الفرعي الموصل للميناء الحالي من أي إشغالات وإصدار قرار من محافظة البحيرة بذلك فإن  
الوحدة المحلية بمحافظة البحيرة تتعهد أنه في خلال سبعة أسابيع من تاريخه  
سيتم إصدار قرار التخصيص من المحافظة وتسليم المواقع للمشروع والطريق الفرعي  
الموصل للميناء الجديد إلى الجسور التنفيذ للمشروع الحالي من أي إشغالات أو عوامل بعد  
أعمال تنفيذ المشروع.

مسم قول سيادتكم وأقر التعمير

رايون مركز ومدينة إدكو

مهندس / مهندس محمد أبو السعود

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مدير الإدارة الهندسية

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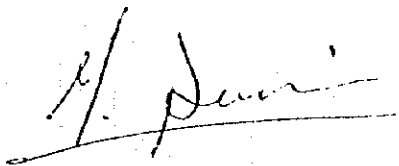
Behera Governorate .

May 28, 1996

The Engineer , The chairman of the Central  
Organization for Development ( COD ) .

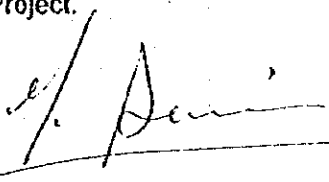
Dear Sir

Reference to the Project of the Construction of a new port in Maadia - Edko Center , with a grant from Japan and according to the Japanese side requirement ; during the meetings from 25/5 to 28/5/1996 in Cairo , to allocate the land necessary for this project and the main road to this port , to be free from any obstacles . The Governor of Behera will issue his order in this effect . The Local Unit insures the above mentioned land , will be fully cleared within seven weeks from today and deliver the free site and the road connection to the land Port to the COD free from any obsteles .

 M. As

## ANNEX 5 UNDERTAKINGS BY THE GOVERNMENT OF EGYPT

1. To provide area at the site necessary for the Project;
2. To clear the site prior to the commencement of the construction;
3. To provide facilities for distribution of electricity, water supply, drainage and other facilities outside the site;
4. To allocate disposal areas for dredged soil;
5. To ensure prompt unloading and customs clearance at ports of disembarkation in Egypt;
6. To secure, with respect to the supply of the products and services under the verified contracts that Japanese nationals shall not be subject to any customs duties, internal taxes and other fiscal levies which may be imposed in the Arab Republic of Egypt;
7. To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into Egypt and stay therein for the performance of their work in accordance with the relevant laws and regulations of the Arab Republic of Egypt;
8. To ensure that the facilities and equipment under the Grant will be maintained and used properly and effectively for the Project after the construction; and
9. To bear all the expenses other than those covered by the Grant, necessary for the execution of the Project.

  
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M.A.



## Appendix-5 Fishery Statistics

**Table A-5-1 Fish Catch by Fishing Port in Egypt (1984 to 1995)**

(Source: General Authority of Fishery Resources Development)

Unit: ton

Fishing Port	1984	1989	1990	1991	1992	1993	1994	1995
An Foushi	3,100	5,100	4,500	4,600	4,100	5,263	6,673.6	5,461.3
Abu Quir	2,200	1,800	2,400	1,800	1,200	1,336.5	1,132	1,059.4
Marsa Matruh						294.5	214.3	528
Maadia	1,500	4,600	5,900	8,500	9,900	9,818	9,270	8,944.1
Rosetta	400	2,300	2,400	4,100	3,900	3,863.5	2,497	3064.6
Port Said	1,400	2,800	1,500	1,600	2,500	4,592	5,432.4	6,452.3
Damietta	7,800	11,000	11,500	11,900	12,800	12,226	13,240	14,989.7
EL Arish	2,300	1,400	1,000	1,500	2,500	2,132.5	1,985	2,361.9
Burullus	600	1,400	1,500	1,100	500	12,226	13,240	845.9
Ataqa	21,600	35,000	28,200	29,200	32,400	28,101.5	20,770	23,788.6
Hurughada	3,000	2,900	5,700	6,500	4,300	3,935	2,673	3,985.3
Tawfeek								17,805.7
El Tur						1,814	3,828	542.3
Quseir								278.3
Rasbanas								488.4
Dahab								368.5

Table A-5-2 (1) Fish Catch in Maadla Fishing Port (1991 to 1995)

Maadla Fishing Port		(unit: ton)								
Month	Total Fish Catch					Sardine included				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Jan	681.0	516.0	935.0	864.0	500.5	150.0	150.0	300.0	38.0	4.0
Feb	632.0	516.0	1,136.0	1,098.0	481.8	100.0	150.0	400.0	25.0	5.0
Mar	627.0	603.0	1,030.0	793.0	390.5	120.0	150.0	400.0	14.0	4.0
Apr	671.0	602.0	1,203.0	711.0	596.2	150.0	140.0	540.0	90.0	10.0
May	758.0	687.0	748.0	684.0	596.2	200.0	200.0	190.0	84.0	12.0
Jun	705.0	748.0	1,090.0	771.0	991.1	220.0	240.0	240.0	120.0	280.0
Jul	685.0	1,090.0	752.0	868.0	946.7	210.0	240.0	240.0	280.0	280.0
Aug	730.0	748.0	687.0	1,038.0	1,054.9	300.0	190.0	200.0	435.0	278.0
Sep	786.0	1,203.0	602.0	825.0	1,056.0	300.0	540.0	140.0	280.0	216.0
Oct	808.0	1,030.0	603.0	775.0	982.3	350.0	400.0	150.0	250.0	180.0
Nov	820.0	1,136.0	516.0	497.0	807.4	300.0	400.0	150.0	90.0	145.0
Dec	586.0	980.0	516.0	346.0	522.5	180.0	300.0	150.0	80.0	60.0
Total	8,489.0	9,859.0	9,818.0	9,270.0	8,926.1	2,580.0	3,100.0	3,100.0	1,786.0	1,474.0

(GAFRD)

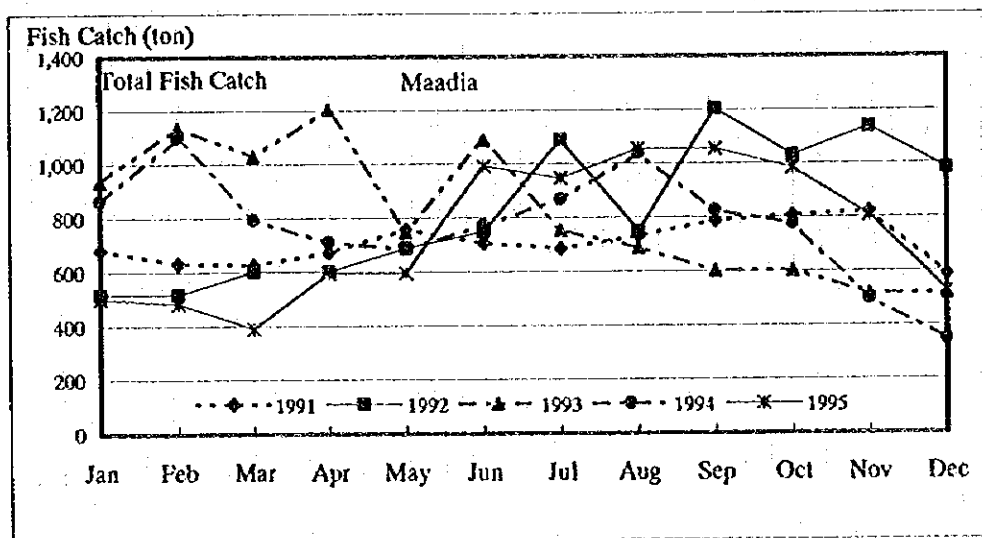


Table A-5-2 (2) Fish Catch In An Foushi Fishing Port (1991 to 1995)

An Foushi Fishing Port		(unit: ton)								
Month	Total Fish Catch					Sardine Included				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Jan	167.0	189.0	111.0	317.4	257.7	8.0	5.0	5.0	15.5	0.0
Feb	143.5	112.0	229.0	358.5	210.4	1.0	1.0		1.3	0.0
Mar	226.0	299.0	352.5	560.4	373.8	2.5	4.0	0.5	7.1	4.0
Apr	230.0	303.0	537.5	548.4	400.0	6.5	3.0	53.5	15.2	4.8
May	327.0	421.0	658.0	688.1	322.9	75.0	6.0	46.5	68.8	14.5
Jun	560.0	396.0	587.5	668.2	623.9	166.0	6.0	108.5	98.6	141.0
Jul	688.0	393.0	402.5	866.8	715.9	226.0	5.0	25.5	131.5	171.0
Aug	833.0	463.0	582.0	702.6	702.9	223.0	5.0	99.0	202.0	171.0
Sep	458.5	495.0	729.5	656.6	687.5	65.0	3.0	103.0	99.3	169.0
Oct	496.0	662.0	653.0	633.0	659.6	95.0	253.0	251.0	173.7	81.0
Nov	351.0	265.0	259.0	365.0	320.4	108.5	75.0	74.0	46.2	66.5
Dec	102.5	168.0	161.5	308.6	186.3	0.5	3.0	2.5	14.1	20.0
Total	4,582.5	4,166.0	5,263.0	6,673.6	5,461.3	977.0	369.0	769.0	873.3	842.8

(GAFRD)

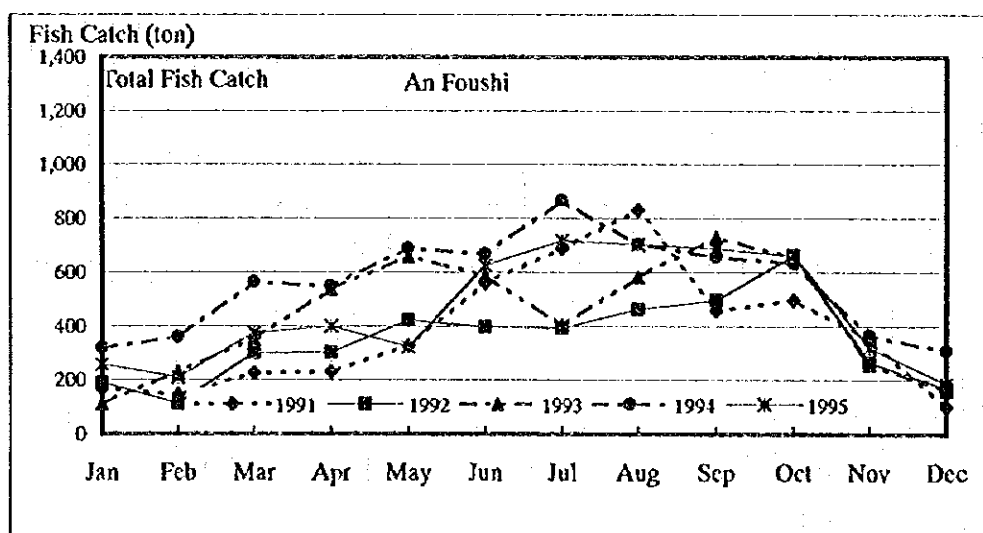


Table A-5-2 (3) Fish Catch in Abu Quir Fishing Port (1991 to 1995)

Abu Quir Fishing Port (unit: ton)

Month	Total Fish Catch					Sardine included				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Jan	91.5	75.0	77.5	72.8	61.6	1.5	1.5	1.5	1.9	0.0
Feb	107.0	11.0	54.0	42.4	49.5	8.5		0.5	0.7	0.0
Mar	92.5	64.0	71.5	58.6	47.3	5.0	0.5	5.5	2.7	0.0
Apr	86.5	110.5	145.0	58.9	53.9	2.5	17.5	15.0	2.9	0.0
May	115.5	120.5	131.0	80.2	74.8	11.5	11.5	13.5	6.9	3.0
Jun	220.5	115.0	137.0	106.1	133.1	36.5	13.5	24.0	12.5	11.0
Jul	175.5	133.0	125.0	176.1	151.7	50.5	18.5	9.5	9.9	10.0
Aug	224.0	139.0	153.5	131.4	101.3	33.0	13.0	13.0	12.0	4.0
Sep	259.5	119.0	183.5	99.2	128.4	44.5	14.0	16.5	6.7	6.0
Oct	183.0	118.0	111.5	91.1	127.5	5.5	14.0	13.5	3.8	12.0
Nov	139.0	84.0	79.0	96.4	77.6	5.5	6.0	6.0	5.4	1.0
Dec	61.5	72.0	68.0	118.8	55.8	1.0	3.0	2.5	4.7	1.0
Total	1,756.0	1,161.0	1,336.5	1,132.0	1,062.5	205.5	113.0	121.0	70.1	48.0

(GAFRD)

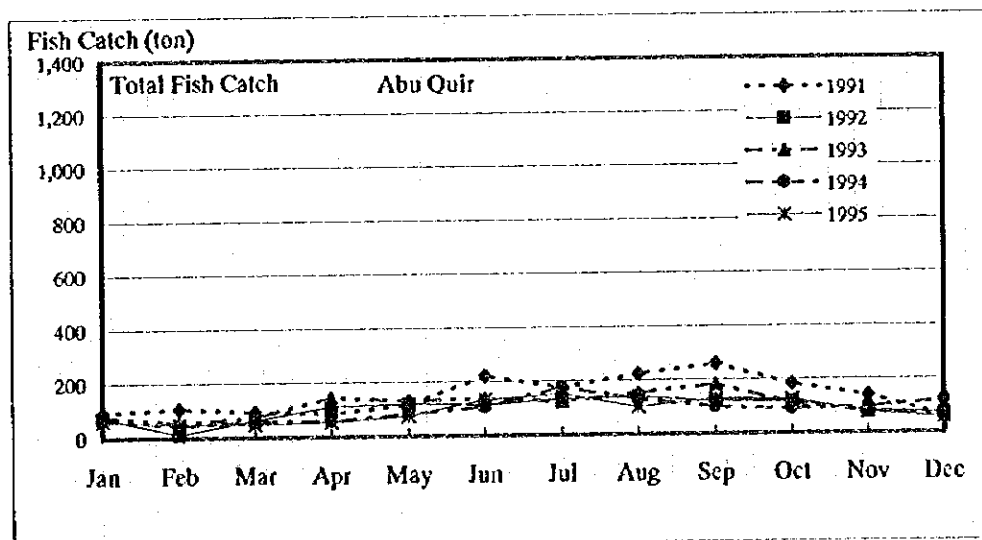
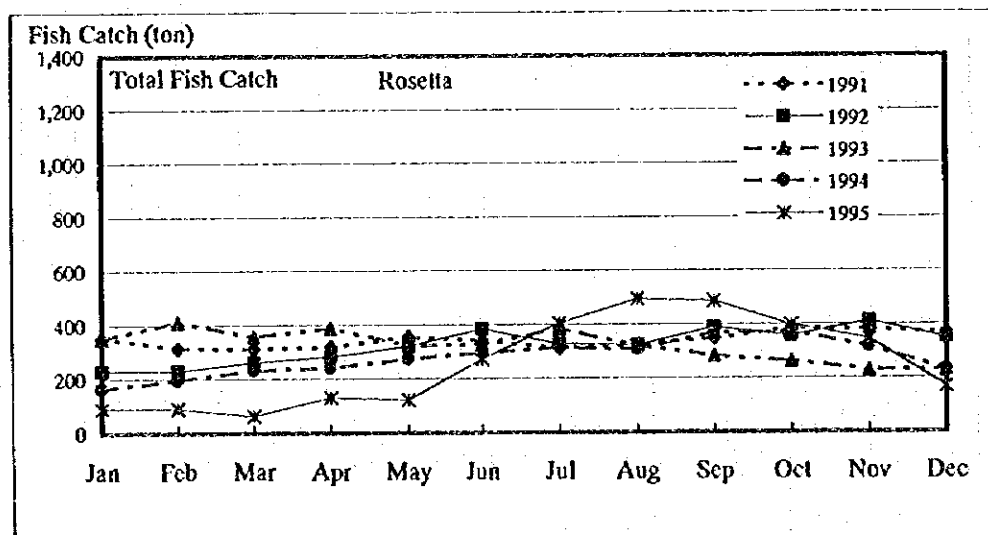


Table A-5-2 (4) Fish Catch in Rosetta Fishing Port (1991 to 1995)

Rosetta Fishing Port		(unit: ton)								
Month	Total Fish Catch					Sardine Included				
	1991	1992	1993	1994	1995	1991	1992	1993	1994	1995
Jan	353.0	230.5	349.0	164.0	91.3	150.0	100.5	120.0	44.0	1.0
Feb	314.0	229.5	410.0	196.0	89.2	120.0	100.5	120.0	53.0	1.0
Mar	312.0	261.5	357.0	233.0	63.8	105.0	100.5	100.0	62.0	1.0
Apr	319.0	282.0	389.0	241.0	130.9	140.0	102.0	190.0	63.0	2.0
May	354.0	320.0	322.0	273.5	122.1	110.0	104.0	140.0	64.0	2.0
Jun	340.0	385.0	328.0	296.0	273.9	150.0	155.0	140.0	95.0	70.0
Jul	311.0	328.0	385.0	313.0	403.7	130.0	140.0	155.0	86.0	120.0
Aug	325.0	322.0	320.0	308.0	493.9	150.0	140.0	104.0	91.5	162.0
Sep	348.0	389.0	282.0	368.0	486.2	170.0	190.0	102.0	117.0	144.0
Oct	384.0	357.0	261.5	372.0	398.2	140.0	100.0	100.5	98.0	120.0
Nov	382.0	410.0	229.5	317.0	345.4	150.0	120.0	100.5	83.0	105.0
Dec	368.0	349.0	230.5	231.0	166.1	130.0	120.0	100.5	56.0	16.0
Total	4,110.0	3,863.5	3,863.5	3,312.5	3,064.7	1,645.0	1,472.5	1,472.5	912.5	744.0

(GAFRD)





**Table A-5-3 Fish Catch by Kind of Fish in Maadla Fishing Port (1994)**

(Source: General Authority of Fishery Resources Development)

Unit: ton

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
penaeidae	16	17	15	12	17	18	15	15	16	14	12	12	179
clupeidae	38	25	14	90	84	120	280	435	280	250	90	80	1,786
mullidae	12	10	9	10	11	10	12	14	11	6	7	8	120
sciaenaequula	11	13	8	8	10	13	12	8	10	11	10	8	122
mugilidae	210	190	95	150	100	121	99	102	105	187	150	49	1,558
chirocentridae	7	7	5	7	40	32	30	18	15	8	7	7	183
cephalopoda	29	30	31	10	9	5	5	3	11	10	7	20	170
synodontidae	18	24	21	16	15	11	13	11	11	11	12	13	176
morone labrax	7	10	11	10	10	10	8	10	16	7	7	8	114
atherina mochowi	75	90	108	250	230	275	300	350	280	215	140	90	2,403
chondrich tmes	17	140	15	37	35	28	35	20	25	18	14	11	395
soleidae	12	16	17	18	12	11	9	6	7	9	11	10	138
lethrinus	5	18	14	13	17	20	20	18	18	11	12	14	180
other species	407	508	430	80	94	97	30	28	20	18	18	16	1,746
total	864	1098	793	711	684	771	868	1038	825	775	497	346	9,270

Table A-5-4 Fish Catch by Fishing Port and Kind of Fish in Mediterranean (1994)

(Source: General Authority of Fishery Resources Development)

Unit: ton

SPECIES	MM	Alex	A. Quin	Maadia	Rashid	Baltin	Elborg	Portsa	Arish	TOTAL
PENAEIDAE		137.0	93.6	179.0	99.0	25.0	2758.0	625.6	41.5	3,958.7
CLUPETDAE		873.3	70.1	1786.0	149.0	162.0	1141.0	2327.3	1638.0	8,146.7
MULLIDAE	18.8	1047.8	47.2	120.0	65.0		677.0	122.3		2,098.1
SERRANIDAE	31.6	85.3	45.6			62.0	345.0	17.0	17.5	604.0
SPARIDAE	26.1	910.5	30.1			4.0	454.0	81.6	1.5	1,507.8
LUPIDAE							428.0	250.8	5.0	683.8
RUSTELLOGER							290.0	100.4	6.5	396.9
SCIAENA EQUILLA				122.0	61.0	33.0	275.0	80.7	2.5	574.2
MUCILIDAE		10.5	7.6	1558.0	581.0	16.0	25.0	266.1	77.0	2,541.2
CHIROCENTRIDAE			3.8	183.0	86.0	31.0	263.0	41.4		608.2
CEPHALOPODAE		263.7	61.7	170.0	76.0		279.0	155.8	24.5	1,030.7
CLUPEA	16.2	1591.2	64.3			170.0	750.0	46.6		2,638.3
SYNOBOTIDAE		149.0	69.4	176.0	96.0		557.0	79.8	6.5	1,133.7
TEUTHESJAVA		53.5	30.3				8.0	27.9	1.5	121.2
SPIRYRAENA			60.9			34.0	1388.0	40.2		1,523.1
EUTHYNNUS			33.1			79.0	414.0	117.6	4.5	648.2
MORONELABRAX				114.0	49.0		252.0	22.1		437.1
MORONE PONCIATA						20.0	10.0	39.5	4.0	73.5
ATHERINAMOCHOMLL		461.1	270.9	2403.0	396.0	182.0		26.8		3,739.8
CHONDRICTHYES	49.6	140.2	8.5	395.0	133.0	14.0	421.0	40.4	24.5	1,226.2
TEMNODONSATTATOB							6.0	30.7		36.7
SAGUS ANIRIARI		9.4	5.1					8.0		22.5
CIIRYSOPHRYS AURATA		22.4	2.0				404.0	47.0		475.4
SARGUS VULGARIS	15.6	78.0	35.2				172.0	15.2		316.0
SOLEIDAE		17.9	35.7	138.0	70.0		302.0	146.4		710.0
LETHRINUS			54.9	180.0	84.0	92.0		27.6	60.5	499.0
TRIGLA		242.9	68.0				732.0	34.4		1,077.3
Others	56.4	579.9	34.0	1746.0	552.0	116.0	889.0	613.2	69.5	4,656.0
TOTAL	214.3	6673.6	1132.0	9270.0	2497.0	1040.0	13240.0	5432.4	1985.0	41,484.3

**Table A-5-5 Fish Catch by Fishing Port and Kind of Fish in Mediterranean (1993)**  
 (Source: General Authority of Fishery Resources Development)

Unit: ton

SPECIES	MM	Alex	A. Quin	Maadia	Rashid	Baltin	Elborg	PortSa	Arish	TOTAL
PENAEIDAE		190.0	108.5	117.0	51.0	5.0	2497.0	500.0	2.5	3,471.0
CLUPEIDAE		769.0	121.0	3100.0	1472.5	66.0	912.0	1440.5	1786.5	9,667.5
MULLIDAE	28.0	402.0	64.5	39.0	20.0		629.0	193.0	3.0	1,378.5
SERRANIDAE	36.0	57.0	51.0			46.0	313.0	14.0	41.5	558.5
SPARIDAE	28.0	420.0	23.5				423.0	87.0		981.5
LUPIDAE							430.0	337.0	4.0	771.0
RUSTELLOGER							254.0			254.0
SCIAENA EQUILLA				90.0	46.0	17.0	252.0	89.5	1.0	495.5
MUCILIDAE				788.0	382.0	9.0		303.5		1,482.5
CHIROCENTRIDAE				94.0	49.0	13.0	229.0			385.0
CEPHALOPODAE		229.0	60.5	102.0	39.0		241.0	298.0		969.5
CLUPEA	16.5	1744.0	108.0			235.0	731.0			2,834.5
SYNODOTIDAE		103.5	67.5	98.0	49.0		518.0	55.0		891.0
TEUTHESJAVA		69.5	25.5							95.0
SPHYRAENA							1349.0			1,349.0
EUTHYNNUS			23.5			176.0	382.0			581.5
MORONE LABRAX				51.0	20.0		290.0	19.5		380.5
MORONE PONCIATA						39.0				39.0
ATHERINAMOCHOMLL		301.5	286.0	833.0	354.0	68.0				1,842.5
CHONDRICTHYES	51.0	58.5		140.0	57.0	32.0	262.0	36.5		737.0
TEMNODONSAITATOB								322.0		322.0
SAGUS ANHULARI										0.0
CHIRYSOPHRYS AURATA							317.0	24.0	2.5	343.5
SARGUS VULGARES	7.0	62.5	28.0				247.0	6.0		350.5
SOLEIDAE			68.5	58.0	27.0		259.0	324.5	2.5	739.5
LETHRINUS				108.0	57.0	209.0				374.0
TRIGLA		199.5	102.5				697.0			999.0
OTHERS	128.0	657.0	198.0	4200.0	1240.0	214.0	894.0	542.0	289.0	8,362.0
TOTAL	294.5	5263.0	1336.5	9818.0	3863.5	1129.0	12226.0	4592.0	2132.5	40,655.0

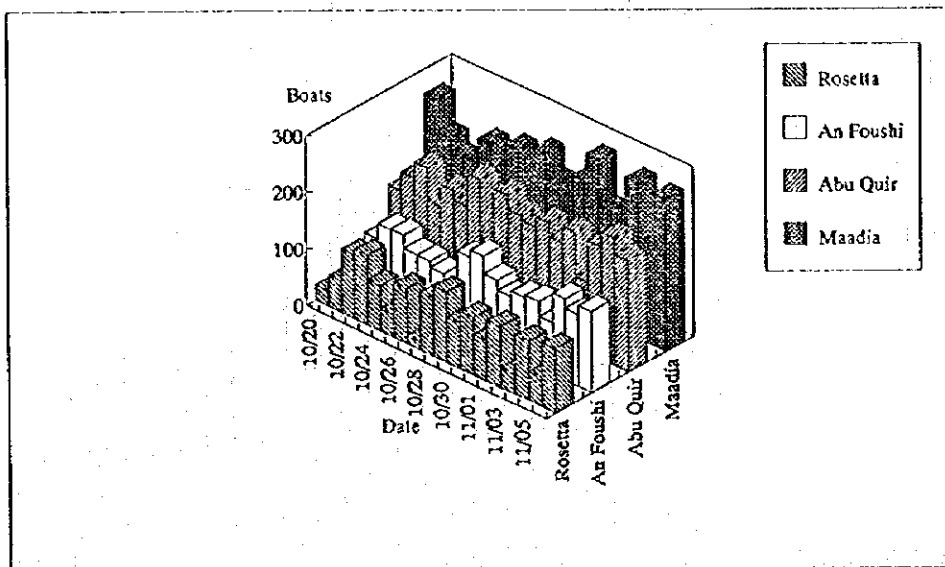
Table A-5-6 Fish Catch by Fishing Port and Kind of Fish in Red Sea (1994)  
(Source: General Authority of Fishery Resources Development)

Unit: ton

SPECIES Latin Name	SWEZ		El. Tohr	Darba	Gardaga	TOTAL
	IN G	OUT G		Gold		
PENAEIDAE	512.0	54.0	1.0		5.0	572.0
CLUPEIDAE	1,367.0	400.0	237.0		969.0	2,973.0
MULLIDAE	336.0	383.0	1.0	9.0	48.0	777.0
SERRANIDAE	62.0	2.0	43.0	31.0	109.0	247.0
SPARIDAE	17.0		5.0	8.0	9.0	39.0
LUPIDAE						0.0
RUSTELLICGER	10,396.0	905.0	460.0		62.0	11,823.0
SCIAENA EQUILLA						0.0
MUCILIDAE			18.0	15.0	13.0	46.0
CHIROCENTRIDAE						0.0
CEPHALOPODAE	254.0	214.0	10.0		8.0	486.0
CLUPEA	2,431.0	86.0	600.0		78.0	3,195.0
SYNODOTIDAE	354.0	3,832.0	1.0		658.0	4,845.0
TEUTHESJAVA			11.0	24.0	20.0	55.0
SPHYRAENA			2.0		7.0	9.0
EUTHYNNUS	19.0	10.0	1.0		13.0	43.0
MORDNELABRAX						0.0
MORONAPONCTATA			1.0	3.0	2.0	6.0
ATHERINAMOCHOMLL						0.0
CHONDRICHTHYES			36.0	6.0	27.0	69.0
B PARROT FISH			37.0	32.0	89.0	158.0
ENPORER			65.0	26.0	2.0	93.0
MACKEREL	525.0	139.0	525.0		53.0	1,242.0
MACKERELJAPONICA	2,234.0	20.0	775.0		12.0	3,041.0
ENPEROR	38.0	1.0	88.0	27.0	60.0	214.0
GAR FISH			11.0	5.0	38.0	54.0
SNAPPER	782.0	3,707.0		3.0	383.0	4,875.0
Others	1,443.0	6,584.0	900.0	150.0	8.0	9,085.0
TOTAL	20,770.0	16,337.0	3,828.0	339.0	2,673.0	43,947.0

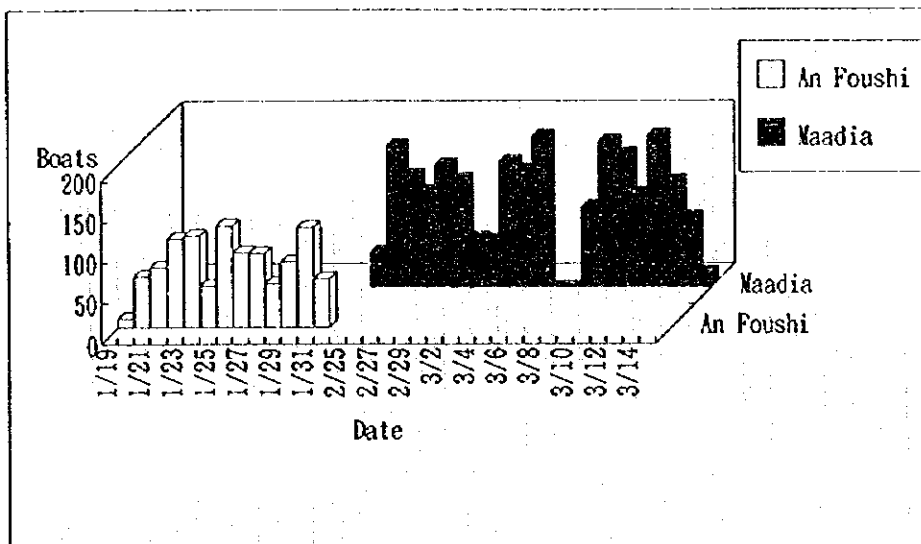
**Table A-5-7 (1) Number of Incoming/Outgoing Boats per Day by 4 Fishing Ports  
(Duration: October 20 to November 6, 1995)**

Date	Rosetta	An Foushi	Abu Quir	Maadia
10/20	28	52	132	258
10/21	55	94	166	200
10/22	113	121	194	174
10/23	123	123	138	179
10/24	81	100	177	222
10/25	41	99	159	178
10/26	98	88	218	235
10/27	15	63	112	45
10/28	104	139	213	250
10/29	125	152	188	210
10/30	80	121	179	195
10/31	102	103	197	235
11/01	73	113	174	283
11/02	109	117	203	204
11/03	36	90	125	104
11/04	105	143	199	275
11/05	52	127	225	171
11/06	114	143	197	269
Total	1,454	1,988	3,196	3,687
Average	76.53	110.44	168.21	204.83



**Table A-5-7 (2) Number of Incoming/Outgoing Boats per Day by 2 Fishing Ports  
(Duration: February 24 to March 15, 1996)**

Date	An Foushi	Date	Maadia
1/19	11	2/24	43
1/20	63	2/25	174
1/21	74	2/26	138
1/22	109	2/27	118
1/23	113	2/28	150
1/24	51	2/29	132
1/25	125	3/1	60
1/26	92	3/2	58
1/27	91	3/3	154
1/28	54	3/4	144
1/29	81	3/5	185
1/30	123	3/6	0
1/31	60	3/7	0
		3/8	99
		3/9	179
		3/10	164
		3/11	115
		3/12	187
		3/13	130
		3/14	86
		3/15	18
<b>Total</b>	<b>1,047</b>		<b>2,334</b>
<b>Average</b>	<b>80.54</b>		<b>111.14</b>



**Table A-5-8 (1) Hourly Distribution of Incoming/Outgoing in Maadia Fishing Port  
(Duration: October 20 to November 6, 1995)**

**Outgoing**

Time	Trawl	Others	Purse Seine
5:00	0.0	0.3	0.0
5:30	0.4	5.0	3.3
6:00	0.2	3.2	8.0
6:30	2.2	1.3	7.7
7:00	2.9	1.8	4.8
7:30	2.1	1.6	2.2
8:00	1.5	0.8	1.5
8:30	1.8	1.3	2.6
9:00	2.4	0.4	1.7
9:30	1.3	0.8	1.9
10:00	1.6	1.5	1.3
10:30	3.8	1.3	1.0
11:00	2.8	1.7	0.8
11:30	4.1	2.2	1.0
12:00	1.5	0.6	0.4
12:30	1.5	0.9	0.4
13:00	0.9	0.5	0.1
13:30	0.7	0.3	0.5
14:00	0.2	0.1	0.3
14:30	0.2	0.1	0.1
15:00	0.2	0.2	0.5
15:30	0.3	0.1	0.6
16:00	0.1	0.0	0.6
16:30	0.7	0.2	1.1
17:00	0.0	0.1	0.5
17:30	0.0	0.0	0.0
Total	33.3	26.4	42.7

**Incoming**

Time	Trawling	Others	Purse Seine
5:00	1.5	0.4	0.1
5:30	11.3	1.0	2.1
6:00	5.2	1.1	3.4
6:30	3.6	1.1	2.7
7:00	2.6	2.7	1.2
7:30	1.2	1.2	1.5
8:00	1.2	1.1	1.0
8:30	0.3	0.8	1.1
9:00	0.1	0.5	1.1
9:30	0.3	0.8	1.2
10:00	0.2	1.0	2.4
10:30	0.3	0.4	3.3
11:00	0.1	0.3	3.5
11:30	0.1	0.8	2.8
12:00	0.2	0.7	2.2
12:30	0.1	0.6	3.4
13:00	0.3	0.8	1.8
13:30	0.5	1.1	1.2
14:00	0.4	1.1	1.8
14:30	0.2	1.2	0.9
15:00	0.3	0.7	0.6
15:30	0.5	1.9	0.9
16:00	0.4	2.0	0.8
16:30	2.3	2.8	1.6
17:00	0.2	0.2	0.2
17:30	0.1	0.1	0.0
Total	33.3	26.4	42.7

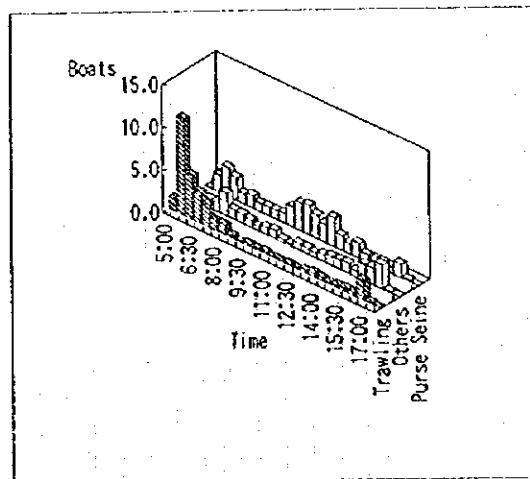
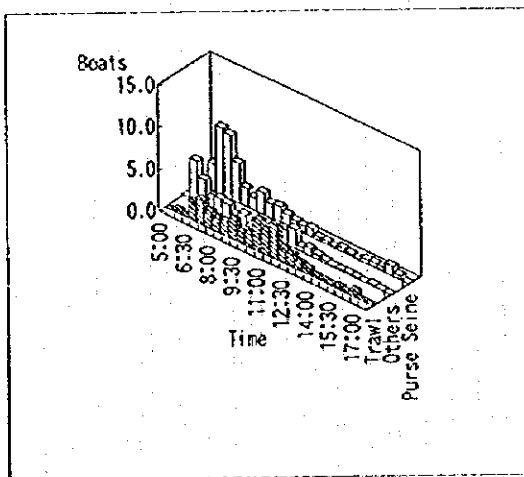


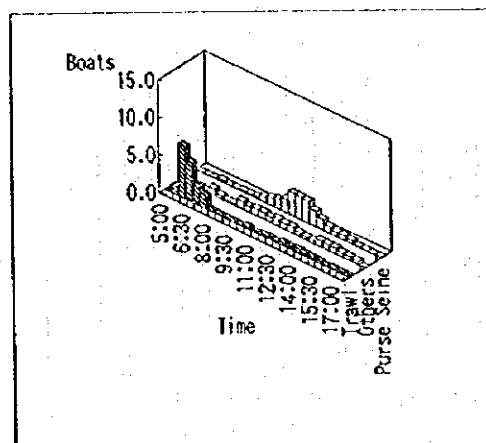
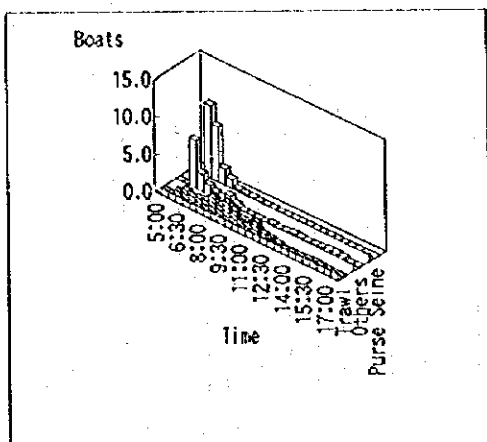
Table A-5-8 (2) Hourly Distribution of Incoming/Outgoing in Maadla Fishing Port  
(Duration: February 24 to March 15, 1996)

Outgoing

Time	Trawl	Others	Purse Seine
5:00	0.0	0.0	0.0
5:30	0.0	0.0	0.0
6:00	0.8	6.4	9.8
6:30	1.4	2.3	7.3
7:00	1.0	1.3	2.1
7:30	1.3	0.8	1.2
8:00	1.4	0.4	0.3
8:30	2.3	1.2	0.2
9:00	1.6	0.6	0.1
9:30	2.5	0.1	0.0
10:00	1.9	0.0	0.0
10:30	1.2	0.0	0.0
11:00	1.3	0.0	0.0
11:30	1.7	0.2	0.0
12:00	0.6	0.0	0.0
12:30	0.5	0.1	0.0
13:00	0.2	0.3	0.0
13:30	0.0	0.2	0.0
14:00	0.0	0.1	0.0
14:30	0.0	0.2	0.0
15:00	0.0	0.2	0.0
15:30	0.2	0.4	0.0
16:00	0.1	0.4	0.0
16:30	0.0	0.3	0.0
17:00	0.0	0.0	0.0
17:30	0.0	0.0	0.0
Total	19.9	15.5	21.3

Incoming

Time	Trawl	Others	Purse Seine
5:00	0.0	0.0	0.0
5:30	1.1	0.0	0.0
6:00	7.0	0.3	0.0
6:30	5.2	0.2	0.2
7:00	2.4	0.9	0.1
7:30	1.5	0.4	0.0
8:00	0.2	0.1	0.2
8:30	0.0	0.2	0.1
9:00	0.0	1.0	0.3
9:30	0.1	0.7	0.7
10:00	0.0	0.9	1.0
10:30	0.3	0.9	1.3
11:00	0.0	0.7	1.8
11:30	0.1	0.9	3.0
12:00	0.3	0.8	3.0
12:30	0.2	0.8	3.0
13:00	0.4	0.5	2.1
13:30	0.3	0.4	1.4
14:00	0.5	0.4	0.9
14:30	0.4	0.8	0.6
15:00	0.3	0.8	0.7
15:30	0.3	0.8	0.5
16:00	0.1	0.5	0.1
16:30	0.2	0.5	0.0
17:00	0.1	0.4	0.0
17:30	0.1	0.0	0.0
Total	21.3	13.9	21.1





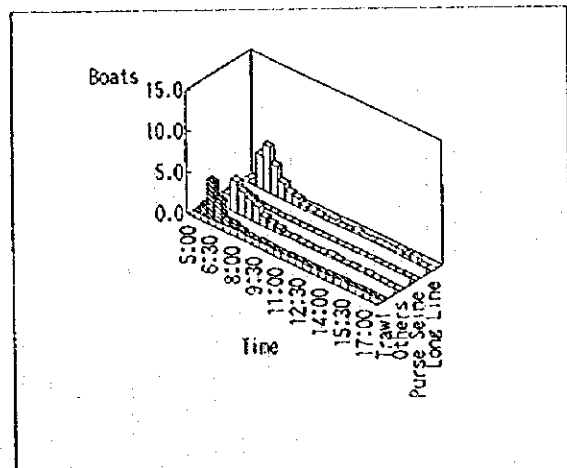
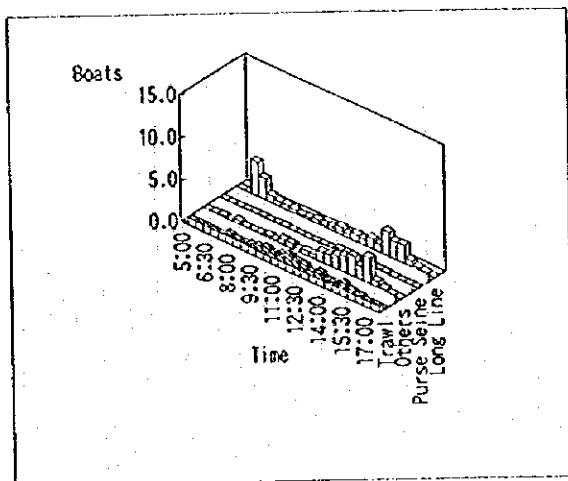
**Table A-5-9 (1) Hourly Distribution of Incoming/Outgoing in An Foushi Fishing Port (1)**  
**(Duration: October 20 to November 6, 1995)**

**Outgoing**

Time	Trawl	Others	Purse Seine	Long Line
5:00	0.0	0.0	0.0	0.0
5:30	0.0	0.1	0.0	0.0
6:00	0.1	0.2	0.0	4.1
6:30	0.0	0.0	0.0	2.5
7:00	0.0	0.3	0.1	0.9
7:30	0.4	0.1	0.1	0.6
8:00	0.2	0.1	0.0	0.6
8:30	0.2	0.1	0.1	0.4
9:00	0.4	0.3	0.2	0.3
9:30	0.7	0.2	0.1	0.3
10:00	0.8	0.7	0.1	0.5
10:30	0.6	0.6	0.1	0.2
11:00	0.9	0.3	0.1	0.4
11:30	1.3	0.6	0.0	0.9
12:00	1.0	0.6	0.0	0.4
12:30	0.9	1.2	0.3	0.3
13:00	0.6	1.3	0.3	0.7
13:30	0.8	1.6	0.1	1.2
14:00	0.4	1.9	0.1	0.9
14:30	0.5	2.4	0.1	2.9
15:00	0.8	1.6	0.1	2.1
15:30	0.4	3.1	0.1	2.2
16:00	0.3	0.7	0.0	0.7
16:30	0.0	0.3	0.0	0.3
17:00	0.0	0.0	0.0	0.2
17:30	0.0	0.0	0.0	0.0
Total	11.3	18.2	1.7	24.2

**Incoming**

Time	Trawl	Others	Purse Seine	Long Line
5:00	0.0	0.0	0.0	0.0
5:30	1.2	0.2	0.1	0.2
6:00	4.6	1.8	0.7	4.1
6:30	2.8	3.8	0.6	5.6
7:00	0.7	2.9	0.2	3.7
7:30	0.7	2.4	0.1	2.1
8:00	0.3	2.1	0.1	1.2
8:30	0.1	1.2	0.0	1.1
9:00	0.0	0.8	0.0	0.4
9:30	0.2	0.6	0.0	0.3
10:00	0.1	0.2	0.0	0.2
10:30	0.0	0.3	0.0	0.0
11:00	0.0	0.2	0.0	0.6
11:30	0.1	0.1	0.0	0.1
12:00	0.1	0.1	0.0	0.1
12:30	0.0	0.2	0.0	0.4
13:00	0.0	0.4	0.0	0.1
13:30	0.0	0.3	0.0	0.1
14:00	0.1	0.1	0.0	0.2
14:30	0.1	0.2	0.0	0.2
15:00	0.1	0.1	0.0	0.2
15:30	0.0	0.2	0.0	0.8
16:00	0.1	0.1	0.0	0.4
16:30	0.1	0.1	0.0	0.8
17:00	0.0	0.0	0.0	0.0
17:30	0.0	0.1	0.0	0.0
Total	11.2	18.5	1.8	22.9



**Table A-5-9 (2) Hourly Distribution of Incoming/Outgoing in An Foushl Fishing Port (2)**  
 (Duration: January 19 to January 31, 1996)

**Outgoing**

Time	Trawl	Others	Purse Seine	Long Line
5:00	0.0	0.0	0.0	0.0
5:30	0.0	0.0	0.0	0.0
6:00	0.0	0.2	0.2	1.2
6:30	0.0	0.2	0.0	2.5
7:00	0.1	0.3	0.0	2.0
7:30	0.3	0.4	0.0	1.0
8:00	0.6	0.3	0.0	1.8
8:30	1.0	0.1	0.0	0.8
9:00	0.7	0.3	0.0	0.9
9:30	0.5	0.0	0.0	1.0
10:00	0.8	0.2	0.0	0.5
10:30	1.0	0.2	0.0	0.8
11:00	1.7	0.4	0.1	0.5
11:30	1.7	0.4	0.2	0.8
12:00	0.8	0.6	0.3	0.8
12:30	0.7	0.7	0.3	0.9
13:00	1.0	0.1	0.4	0.4
13:30	0.6	0.2	0.1	1.2
14:00	0.5	0.2	0.1	0.9
14:30	0.8	0.4	0.4	1.2
15:00	0.1	0.2	0.4	0.5
15:30	0.2	0.3	0.1	0.2
16:00	0.1	0.2	0.0	0.2
16:30	0.0	0.0	0.0	0.1
17:00	0.0	0.0	0.0	0.0
17:30	0.0	0.0	0.0	0.0
Total	13.1	5.7	2.4	20.0

**Incoming**

Time	Trawl	Others	Purse Seine	Long Line
5:00	0.0	0.0	0.0	0.0
5:30	0.0	0.0	0.0	0.0
6:00	4.2	1.1	0.8	2.2
6:30	3.5	0.2	1.2	2.7
7:00	2.5	0.8	0.2	3.4
7:30	1.3	0.9	0.3	2.1
8:00	0.4	0.6	0.5	0.4
8:30	0.2	0.3	0.0	0.2
9:00	0.1	0.1	0.0	0.0
9:30	0.2	0.4	0.0	0.2
10:00	0.2	0.1	0.0	0.1
10:30	0.0	0.1	0.0	0.0
11:00	0.0	0.1	0.0	0.1
11:30	0.0	0.0	0.0	0.3
12:00	0.0	0.1	0.0	0.4
12:30	0.0	0.1	0.0	0.3
13:00	0.0	0.0	0.0	0.5
13:30	0.0	0.0	0.0	0.4
14:00	0.0	0.0	0.0	0.4
14:30	0.2	0.4	0.0	1.4
15:00	0.0	0.3	0.0	0.5
15:30	0.0	0.1	0.0	1.5
16:00	0.2	0.1	0.0	0.3
16:30	0.1	0.4	0.0	0.1
17:00	0.0	0.0	0.0	0.4
17:30	0.0	0.0	0.0	0.0
Total	12.8	6.0	2.9	17.6

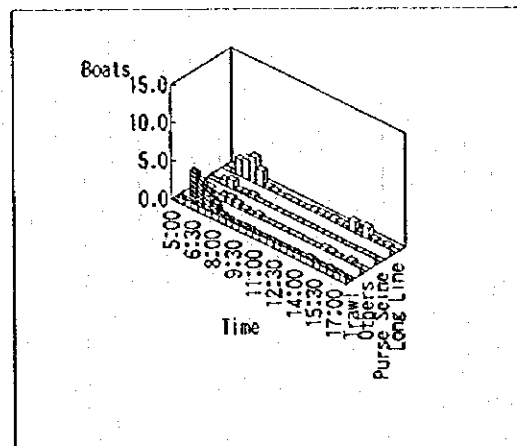
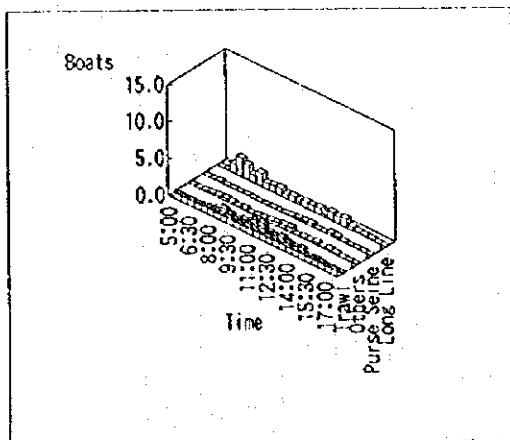
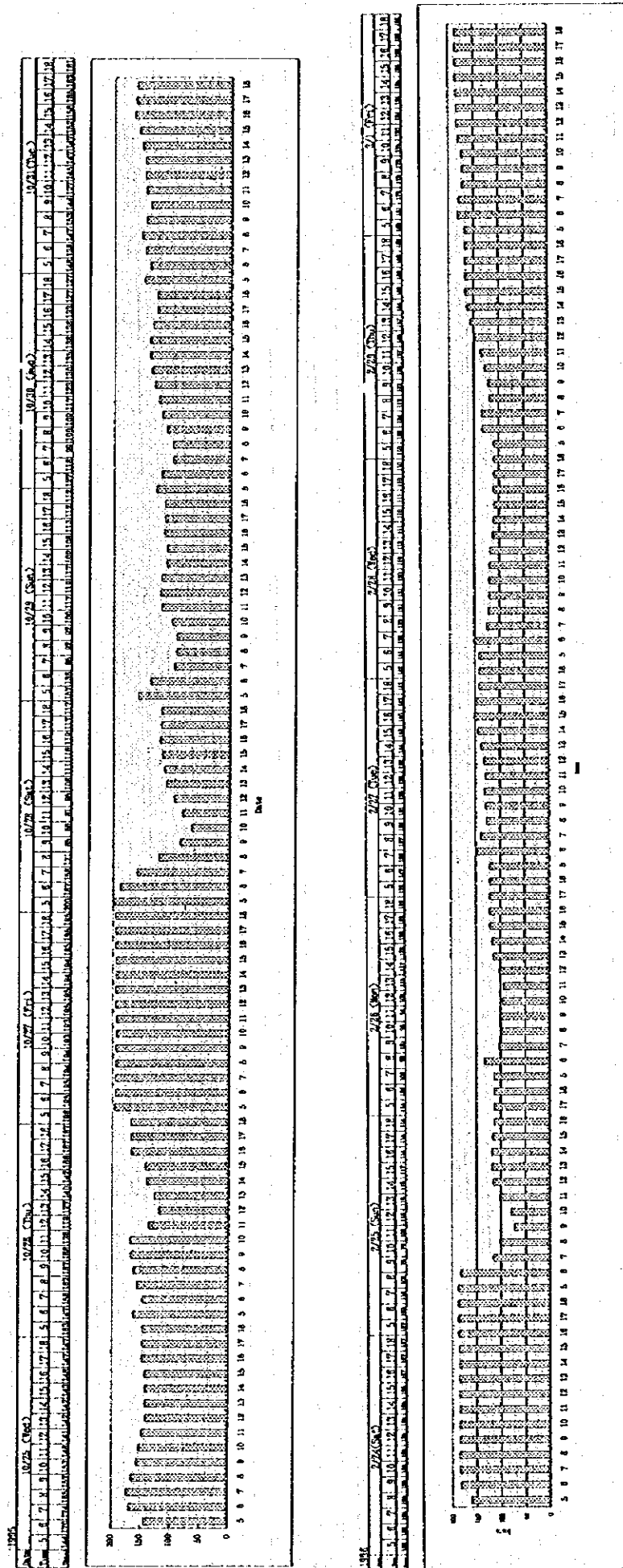


Figure A-5-1 Number of Fishing Port Berthing in the Maadia Fishing Port (1995/1996)



**Table A-5-10 (1) Fish Catch and Fish Volume Brought Out by Destination (1)  
Maadia Fishing Port (Duration: October 30 to November 5, 1995)**

Survey Date	Total Catch (kg)	Fish Volume Brought Out by Destination (Kg)				Number of Boats Landed Fish
		Maadia	Alexandria	Abu Quir	Idko	
1995/10/30	6,637.00	3,785.00	2,852.00			43
1995/10/31	8,570.00	3,140.00	5,430.00			46
1995/11/1	9,889.00	5,751.00	4,138.00			36
1995/11/2	5,106.00	0.00	5,106.00			14
1995/11/3	7,640.00	6,200.00	1,440.00			20
1995/11/4	15,116.00	14,481.00	635.00			47
1995/11/5	289.00	289.00	0.00			4
<b>Total (Kg)</b>	<b>53,247.00</b>	<b>33,646.00</b>	<b>19,601.00</b>	<b>0.00</b>	<b>0.00</b>	<b>210</b>
<b>Rate (%)</b>	<b>100.00</b>	<b>63.19</b>	<b>36.81</b>	<b>0.00</b>	<b>0.00</b>	<b>---</b>

**Table A-5-10 (2) Fish Catch and Fish Volume Brought Out by Destination (2)  
Maadia Fishing Port (Duration: January 21 to January 31, 1996)**

Survey Date	Total Catch (kg)	Fish Volume Brought Out by Destination (Kg)				Number of Boats Landed Fish
		Maadia	Alexandria	Abu Quir	Idko	
1996/1/21	3,145.00		3,145.00			13
1996/1/22	4,927.50	1,039.50	2,389.50	1,498.50		20
1996/1/23	10,111.50	634.50	6,939.00	2,538.00		27
1996/1/24	4,914.00	2,727.00	1,255.50	931.50		16
1996/1/25	9,234.00	4,023.00	2,943.00	2,268.00		25
1996/1/26	1,966.00	210.00	1,756.00			21
1996/1/27	13,000.50	3,604.50	5,683.50	3,712.50		29
1996/1/28	25,258.50	14,553.00	3,267.00	1,107.00	6,331.50	30
1996/1/29	12,960.00	5,737.50	3,348.00	3,874.50		29
1996/1/30	10,962.00	2,781.00	4,806.00	3,375.00		29
1996/1/31	15,660.00	8,815.50	4,671.00	2,173.50		29
<b>Total (Kg)</b>	<b>112,139.00</b>	<b>44,125.50</b>	<b>40,203.50</b>	<b>21,478.50</b>	<b>6,331.50</b>	<b>268</b>
<b>Rate (%)</b>	<b>100.00</b>	<b>39.35</b>	<b>35.85</b>	<b>19.15</b>	<b>5.65</b>	<b>---</b>

Table A-5-11 (1) Fish Volume Brought Out by Kind of Fish and Destination (1)  
 Maadia Fishing Port (Duration: October 30 to November 5, 1995)

Kind of Fish	Destination	Unit: Kg										Total	Rate (%)
		1995/10/30	1995/10/31	1995/11/1	1995/11/2	1995/11/3	1995/11/4	1995/11/5					
Prawn	Alexandria	950.00	2,369.00	957.00	2,042.00	576.00						6,894.00	12.95%
	Abu Quir			800.00								0.00	0.00%
	Maadia	24.00	1,541.00	757.00	2,042.00	576.00	0.00	0.00	0.00	0.00	0.00	2,365.00	4.44%
	Total	974.00	3,910.00	1,757.00	2,042.00	576.00	0.00	0.00	0.00	0.00	0.00	9,259.00	17.29%
Squid	Alexandria	973.00	1,567.00	878.00	1,022.00	288.00	254.00					4,982.00	9.36%
	Abu Quir			377.00			646.00					0.00	0.00%
	Maadia	24.00	1,027.00	1,255.00	1,022.00	288.00	900.00	0.00	0.00	0.00	0.00	2,074.00	3.90%
	Total	997.00	2,594.00	1,255.00	1,022.00	288.00	900.00	0.00	0.00	0.00	0.00	7,056.00	13.25%
Crab	Alexandria	386.00		186.00								572.00	1.07%
	Abu Quir											0.00	0.00%
	Maadia	12.00		66.00								78.00	0.15%
	Total	398.00	0.00	252.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	650.00	1.22%
Sole	Alexandria	105.00										105.00	0.20%
	Abu Quir											0.00	0.00%
	Maadia											0.00	0.00%
	Total	105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.00	0.20%
Sardine	Alexandria	165.00	1,494.00	1,220.00								2,879.00	5.41%
	Abu Quir											0.00	0.00%
	Maadia	1,259.00	180.00	3,321.00				60.00				4,820.00	9.05%
	Idko											0.00	0.00%
	Total	1,424.00	1,674.00	4,541.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	7,699.00	14.46%
Mullet	Alexandria											0.00	0.00%
	Abu Quir											0.00	0.00%
	Maadia	48.00										48.00	0.09%
	Idko											0.00	0.00%
	Total	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.09%
Sword Fish	Alexandria	225.00		178.00								403.00	0.76%
	Abu Quir											0.00	0.00%
	Maadia	2,418.00	392.00	483.00		6,200.00	12,867.00	229.00				22,589.00	42.42%
	Total	2,643.00	392.00	661.00	0.00	6,200.00	12,867.00	229.00				22,992.00	43.18%
Barracuda	Alexandria	48.00		719.00	2,042.00	576.00	381.00					3,766.00	7.07%
	Abu Quir			704.00			988.00					0.00	0.00%
	Maadia			428.00	2,042.00	576.00	1,348.00	0.00				1,672.00	3.14%
	Total	48.00	0.00	1,428.00	2,042.00	576.00	1,348.00	0.00				5,438.00	10.21%
Total		6,637.00	8,570.00	9,888.00	5,108.00	7,640.00	15,116.00	289.00			58,247.00	100.00%	

Table A-5-11 (2) Fish Volume Brought Out by Kind of Fish and Destination (2)  
Maadia Fishing Port (Duration: January 21 to January 31, 1996)

Kind of Fish	Destination	Unit: Kg																	Rate (%)
		1996/1/21	1996/1/22	1996/1/23	1996/1/24	1996/1/25	1996/1/26	1996/1/27	1996/1/28	1996/1/29	1996/1/30	1996/1/31	Total						
Prawn	Alexandria	628.00	270.00	614.25	222.75	147.15	168.80	419.85	433.35	162.00	544.05	761.40	4,372.60	3.90%					
	Abu Quir		68.85	180.65	163.35	190.35	319.95	40.50	270.00	373.95	113.40	1,701.00	1,52%						
	Maadia		31.05	16.20	214.65	382.10			114.75	78.30		787.05	0.70%						
	Total	628.00	369.90	791.10	600.75	669.80	668.80	739.80	473.85	546.75	996.30	874.80	6,880.65	6.12%					
Squid	Alexandria	1,258.00	153.90	1,701.00		548.10	370.10	619.65	1,414.80	1,042.20		1,235.25	8,343.00	7.44%					
	Abu Quir		103.95	283.50		399.60		542.70		909.90		469.80	3,175.55	3.72%					
	Maadia		280.80	16.20	410.40	456.30	720.90		270.00	1,684.80		3,839.40	3.42%						
	Total	1,258.00	538.65	2,000.70	410.40	1,404.00	370.10	1,883.25	1,414.80	2,222.10	3,150.90	1,705.05	16,357.95	14.50%					
Crab	Alexandria			187.40	583.20			778.95	25.65	162.00	207.90	700.65	2,625.75	2.34%					
	Abu Quir		222.75	217.35	28.35	313.20	226.80	270.00			48.60	1,008.45	0.90%						
	Maadia					221.40						540.00	0.48%						
	Total	0.00	222.75	384.75	611.55	534.60	0.00	1,275.75	25.65	162.00	256.50	700.65	4,174.20	3.72%					
Sole	Alexandria	1,258.00	105.30	538.90		422.55	80.80	632.55	978.85	268.65	64.80	538.65	4,869.05	4.34%					
	Abu Quir		106.65	72.90	248.40	125.55	38.40	888.30	36.45	407.70	733.80	28.35	2,706.00	2.41%					
	Maadia		40.50	16.20	342.90	314.55	510.30		114.75	62.10		1,401.30	1.25%						
	Total	1,258.00	252.45	648.00	591.30	862.65	119.20	2,091.15	915.30	791.10	880.20	567.00	8,976.35	8.00%					
Sardine	Alexandria			558.90								838.35	1,397.25	1.23%					
	Abu Quir											0.00	0.00	0.00%					
	Maadia											6,822.90	20,353.95	18.15%					
	Total	0.00	0.00	558.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,661.25	25,687.80	22.91%					
Mullet	Alexandria		81.00			141.75		486.00		279.45	101.25		983.20	0.88%					
	Abu Quir			172.80									274.05	0.24%					
	Maadia				400.95								4,041.90	3.60%					
	Total	0.00	81.00	172.80	400.95	141.75	0.00	486.00	4,528.25	409.05	101.25	1,181.25	7,503.30	6.69%					
Sward Fish	Alexandria			270.00		75.60	810.10		255.15				1,410.85	1.28%					
	Abu Quir						171.60						586.05	0.52%					
	Maadia		183.60			328.05		313.20		533.25			1,044.90	0.93%					
	Total	0.00	183.60	270.00	0.00	408.65	981.70	313.20	255.15	533.25	101.25	0.00	3,041.80	2.71%					
Sea Bass	Alexandria		259.20						28.35				932.85	0.83%					
	Abu Quir			62.10	25.65	47.25		54.00				264.60	318.60	0.28%					
	Maadia							59.40					194.40	0.17%					
	Total	0.00	259.20	62.10	25.65	47.25		54.00				264.60	1,445.85	1.23%					
Others	Alexandria		1,520.10	3,088.55	449.55	1,607.85	326.20	2,686.50	230.85	1,433.70	3,343.95	596.70	15,263.95	13.61%					
	Abu Quir		966.30	1,630.80	491.40	1,239.30		1,367.55	1,030.05	2,286.90	579.15	1,297.35	10,918.80	9.74%					
	Maadia		503.55	523.80	1,332.45	2,323.35		2,043.90	2,641.95	625.05	907.20	811.35	11,712.60	10.44%					
	Total	0.00	3,010.95	5,223.15	2,272.40	5,170.50	326.20	6,097.95	4,098.60	4,345.65	2,830.30	2,705.40	38,091.70	33.97%					
Total		3,145.00	4,927.50	10,111.50	4,914.00	9,234.00	1,966.00	25,258.50	12,960.00	10,992.00	15,660.00	112,139.00	100.00%						

Table A-5-12 Fishing Boat In Maadia, Summer 1995  
(Maadia registered boats, 1995)

Fishing Type	Boat HP	Using Maadia		Using Foreign		M boat 18days		Foreign 18days	
		Work'g	Idl'g	other P	Us'g M	N of Fish'g	Idl'g	N of Fish'g	Idl'g
T r a w l e r	<25								
	50	3				3			
	100	19				174			
	150	28		2		173			
	200	13		1		61			
	250	9		4		47			
	300								
	350			1					
	400								
	450								
	500			1					
Total		72	0	9	0	0	458	0	0
P. S e i n e r	<25	2					5		
	50	17					152		
	100	26					300		
	150	5					63		
	200	2					18		
	250	2					18		
	Total		54	0	0	0		556	0
G. N e t t e r	<25	8		2			62		
	50	59		2			359		
	100	7					29		
	150	2					2		
	Total		76	0	4	0		452	0
Total		202	0	13	0	0	1466	0	0

Table A-5-13 Fishing Boat in Maadia, Summer 1995  
(Maadia re-registered boats, 1995)

Fishing Boat		Using Maadia		Using	Foreign	M boat 18days		Foreign 18days	
Type	HP	Work'g	Idl'g	other P	Us'g N	N of Fish'g	Idl'g	N of Fish'g	Idl'g
T r a w l e r	<25								
	50								
	100	5				13			
	150	5				27			
	200	4				9			
	250	2		2		2			
	300								
	350								
	400								
	450								
	500								
Total		16	0	2	0	0	51	0	0
P. S e i n e r	<25								
	50	6				31			
	100	4				32			
	150								
	200	1				1			
	250								
Total		11	0	0	0	0	64	0	0
G. N e t t e r	<25	7		1		11			
	50	8		4		33			
	100	1				2			
	150	1				1			
Total		17	0	5	0	0	47	0	0
Total		44	0	7	0	0	162	0	0



**Table A-5-14 Fishing Boat in Maadia, Summer 1995**  
**(An Foushi registered boats using Maadia, 1995)**

Fishing Boat		Using Maadia		Using	Foreign	of Fish'	M boat 18days		Foreign 18days	
Type	HP	Work'g	Idl'g	other P	Us'g M	>=3	of Fish'g	Idl'g	of Fish'g	Idl'g
T r a w l e r	<25									
	50									
	100				2	1			10	
	150				2	1			10	
	200				1				1	
	250				1	1			5	
	300									
	350									
	400									
	450									
	500									
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>
P. S e i n e r	<25									
	50				1				1	
	100				3	1			12	
	150				4	1			11	
	200									
	250									
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>
G. N e t t e r	<25									
	50				2	1			5	
	100				1	1			3	
	150									
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>
<b>To tal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>

Table A-5-15 Fishing Boat in Maadia, Summer 1995  
(Rosetta registered boats using Maadia, 1995)

Fishing Boat		Using Maadia		Using	Foreign	of Fish'g		M boat 18days		Foreign 18days	
Type	HP	Work'g	Idl'g	other P	Us'g M	>=3	% of Fish'g	Idl'g	% of Fish'g	Idl'g	
T r a w l e r	<25										
	50										
	100				1	1			10		
	150										
	200										
	250										
	300										
	350										
	400										
	450										
	500										
Total		0	0	0	1	1		0	0	10	0
P. S e i n e r	<25										
	50				1	1			6		
	100				1	1			7		
	150										
	200										
	250										
Total		0	0	0	2	2		0	0	13	0
G. N e t t e r	<25				2	1			4		
	50				4	3			16		
	100				1				1		
	150										
Total		0	0	0	7	4		0	0	21	0
Total		0	0	0	10	7		0	0	44	0

Table A-5-16 Fishing Boat In Maadia, Summer 1995  
(Abu Quir registered boats using Maadia, 1995)

Fishing Boat		Using Maadia		Using	Foreign	of Fish'g		M boat 18days		Foreign 18days		
Type	HP	Work'g	Idl'g	other P	Us'g M	>=3	% of Fish'g	Idl'g	% of Fish'g	Idl'g		
T r a w l e r	<25											
	50				1				1			
	100				2	1			4			
	150				5	2			14			
	200				5	4			20			
	250				2	1			6			
	300				1	1			3			
	350											
	400											
	450											
	500											
Total		0	0	0	16	9		0	0	48	0	
P. S e i n e r	<25				1				1			
	50				8	3			27			
	100				10	4			47			
	150				1				1			
	200				1				1			
	250											
Total		0	0	0	21	7		0	0	77	0	
G. N e t t e r	<25				3	1			13			
	50				4				6			
	100				3				4			
	150											
Total		0	0	0	10	1		0	0	23	0	
To tal			0	0	0	47	17		0	0	148	0

Table A-5-17 Fishing Boat In Maadla, Summer 1995  
(All fishing boats using Maadla, 1995)

Fishing Boat		Using Maadia		Using	Foreign	of Fish's		M boat 18days		Foreign 18days	
Type	HP	Work'g	Idl'g	other P	Us'g N	>=3	of Fish's	Idl'g	of Fish's	Idl'g	
T r a w l e r	<25										
	50	3			1		4				
	100	24			5	3	211				
	150	33			2	7	3	224			
	200	17			1	6	4	91			
	250	11			6	3	2	60			
	300					1	1	3			
	350				1						
	400										
	450										
	500				1						
Total		88	0	11	23	13	593	0	0	0	
P. S e i n e r	<25	2			1		6				
	50	23			10	4	217				
	100	30			14	6	398				
	150	5			5	1	75				
	200	3			1		20				
	250	2					18				
Total		65	0	0	31	11	734	0	0	0	
G. N e t t e r	<25	15			3	5	2	90			
	50	67			6	10	4	419			
	100	8				5	1	39			
	150	3						3			
Total		93	0	9	20	7	551	0	0	0	
To tal		246	0	20	74	31	1878	0	0	0	

Number of fishing boats using Maadia=246 Maadia registered + 31 Foreign=277

Table A-5-18 Fishing Boat in Maadia, Summer 2000  
(All fishing boats using Maadia, 2000)

Fishing Boat		Using Maadia		Using	Foreign	Boat	No. of Boat	
Type	HP	Regstr	Increase	other P	Us'g M	Increase	Total	Accum'd
T r a w l e r	<25				0		0	0
	50	3			0		3	3
	100	24	1		3	1	29	32
	150	33	1	2	3	1	40	40
	200	17		1	4	2	24	64
	250	11		6	2	2	21	85
	300				1		1	86
	350			1	0		1	87
	400				0		0	87
	450				0		0	87
	500			1	0		1	88
Total	88	2	11	13	6	120		
P. S e i n e r	<25	2			0		2	2
	50	23			4	1	28	30
	100	30	1		6	2	39	69
	150	5			1	3	9	9
	200	3			0		3	12
	250	2			0		2	14
	Total	65	1	0	11	6	83	
G. N e t t e r	<25	15		3	2	1	21	21
	50	67	2	6	4	1	80	101
	100	8			1	1	10	111
	150	3			0		3	3
	Total	93	2	9	7	3	114	
To tal		246	5	20	31	15	317	0

**Table A-5-19 In-coming Time Distribution in Maadla, Summer 2000**

Time	Trawler	%	GNetter	%	PSeiner	%	Total	%
5:00	3	0.03	0	0.00	0	0.00	3	0.01
5:30	23	0.21	5	0.05	3	0.04	31	0.10
6:00	16	0.15	3	0.03	3	0.04	22	0.08
6:30	14	0.13	5	0.05	1	0.02	20	0.06
7:00	10	0.09	8	0.09	3	0.04	20	0.07
7:30	8	0.08	2	0.02	1	0.01	11	0.04
8:00	5	0.04	2	0.02	1	0.01	8	0.03
8:30	0	0.00	0	0.00	0	0.01	0	0.00
9:00	0	0.00	0	0.00	0	0.00	0	0.00
9:30	1	0.01	0	0.00	0	0.00	1	0.00
10:00	0	0.00	3	0.03	3	0.04	6	0.03
10:30	1	0.01	0	0.00	9	0.13	9	0.06
11:00	0	0.00	1	0.01	9	0.14	10	0.06
11:30	0	0.00	2	0.02	7	0.11	9	0.05
12:00	0	0.00	1	0.01	5	0.07	6	0.03
12:30	0	0.00	1	0.01	6	0.09	7	0.04
13:00	0	0.00	2	0.02	5	0.07	7	0.03
13:30	1	0.01	3	0.03	3	0.04	6	0.03
14:00	1	0.01	5	0.05	4	0.05	9	0.04
14:30	1	0.01	8	0.09	1	0.01	10	0.03
15:00	1	0.01	6	0.07	0	0.01	7	0.02
15:30	3	0.03	5	0.05	1	0.01	9	0.03
16:00	3	0.03	11	0.12	1	0.02	15	0.04
16:30	20	0.18	19	0.20	4	0.06	43	0.13
17:00	0	0.00	1	0.01	0	0.00	1	0.00
17:30	0	0.00	0	0.00	0	0.00	0	0.00
Total	108	1	95	1	68	1	270	1