

APPENDICES

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1. Member List of the Study Team

1-1. Field Survey

<u>Function</u>		<u>Name / Organization</u>
1	Leader/Coordinator	Mr. Shin MARUO Senior Planning Officer, Project Study Division III, Grant Aid and Loan Support Department, Japan International Cooperation Agency
2	Project Manager/Operation & Management Planning	Mr. Kuniaki TAKAHASHI Fisheries Engineering Co., Ltd.
3	Architectural and Facilities Planning	Mr. Akira UCHIDA Fisheries Engineering Co., Ltd.
4	Port Engineering Planning /Natural Condition Survey	Mr. Satoru NISHINO Fisheries Engineering Co., Ltd.
5	Equipment Planning/Procurement Planning/Estimation	Mr. Akio YAMADA Fisheries Engineering Co., Ltd.
6	Construction Planning/Estimation	Mr. Kunihiro WATANABE Fisheries Engineering Co., Ltd.
7	Fisheries Products Distribution Survey/Environment and Social Consideration	Mr. Michio TORII Fisheries Engineering Co., Ltd.

1-2. Consultation of Draft Report

<u>Function</u>		<u>Name / Organization</u>
1	Leader/Coordinator	Mr. Shunji SUGIYAMA Senior Planning Officer, Project Study Division III, Grant Aid and Loan Support Department, Japan International Cooperation Agency
2	Project Manager/Operation & Management Planning	Mr. Kuniaki TAKAHASHI Fisheries Engineering Co., Ltd.
3	Architectural and Facilities Planning	Mr. Akira UCHIDA Fisheries Engineering Co., Ltd.

2-1. Field Survey

Appendix-- 2

2-2. Consultation of Draft Report

			JICA	1, 2
1	Dec. 14	Sun	Narita (21:30) → Guam (02:05)	
2	Dec. 15	Mon	Guam (8:20) → Majuro (19:08)	
3	Dec. 16	Tue	Courtesy visit to Embassy of Japan, JICA Office, Visit to MRD and MIMRA	
4	Dec. 17	Wed	Discussion with MIMRA, Courtesy visit to Ministry of Foreign Affairs	
5	Dec. 18	Thu	Signing of the Minutes of Discussions, Report to Embassy of Japan and JICA Office, Courtesy visit to Chief Cabinet Secretary	
6	Dec. 19	Fri	Survey on facilities for fisheries Majuro (20:00) → (02:30) Honolulu (10:15)→	Survey on general conditions of construction, Collection of cost information
7	Dec. 20	Sat	→Narita (14:30)	Majuro (10:55) → Guam (17:20)
8	Dec. 21	Sun		Guam (16:05) → Narita (18:50)

- 1 Project Manager/Operation & Management Planning
- 2 Architectural and Facilities Planning
- 3 Port Engineering Planning /Natural Condition Survey
- 4 Equipment Planning/Procurement Planning/Estimation
- 5 Construction Plannning/Estimation
- 6 Fisheries Products Distribution Survey/Environment and Social Consideration

3. List of Parties Concerned in the Recipient Country

Name / Organization	Function
Marshall Islands side	
Ministry of Resource & Development	
Mr. Frederick H. Muller	Minister
Mr. Thomas Kijiner Jr.	Secretary
MIMRA (Marshall Islands Marine Resources Authority)	
Mr. Glen Joseph	Director
Mr. Samuel K. Lanwi, Jr.	Deputy Director
Mr. Danny Jack	Deputy Director
Mr. Tino Debrun	Operation Manager
Ms. Florence Edwards	Chief of Coastal Fisheries
Mr. Fred Bukida	Outer Islands Fish Market Center Manager
Dr. Manabu Echigo	Fisheries Technical Expert
Ministry of Foreign Affairs	
Ms. Kino S. Kabua	Secretary
Ms. Keyoka P. Kabua	Undersecretary, Asia/Pacific Division
Mr. Bruce Kijines	Foreign Service Officer, Asia/Pacific Division
RMI Office of the Chief Secretary	
Mr. Casten N. Nemra	Chief Secretary
RMI EPA (Environmental Protection Authority)	
Mr. John Bungitak	General Manager
Ministry of Public Works	
Mr. Smith Ysawa	Secretary
Mr. Lizardo Remojo	Structural Engineer
Ministry of Internal Affairs	
Mr. Wilbur Heine	Secretary of Internal Affairs
Mr. Halkney Wase	Chief, Land & Surveys Office
Mr. Bill Labija	Surveyor, Land & Surveys Office
Mr. Fritzad Reiher	Surveyor, Land & Surveys Office
RMI Port Authority	
Capt. Joe Tiobitch	Deputy Director
Capt. Laninruj Abon	Seaport Manager
Mr. Frank Peter	Operation
College of Marshall Islands, Science Department	
Dr. Dean Jacogsen	Instructor of Marine Science
Land Owners	
Mr. Charles Muller	Toeak Weto, Uliga
Ms. Neri Tebro Nera	Toeak Weto, Uliga
Ms. Rose Maddison	Toeak Weto, Uliga
Marshall Energy Company	
Mr. Steve Wakefield	Manager
Mr. Bermen Y. Laukon	Assistant General Manager
National Telecommunications Authority	
Mr. Anthony M. Muller	President & CEO

Mr. Yoshi T. Kaneko	Chief Operation Office
Majuro Stevedore & Terminal Co., Inc	
Mr. Clyde Heine	General Manager
Japan side	
Embassy of Japan	
Prof. Dr. Kazuyuki OHDAIRA	Charge d' Affaires
Mr. Keishi MURATA	Second Secretary
Mr. Hideyuki SHIOZAWA	Advisor
	Economic Assistance and Technical Cooperation
JICA/JOCV Marshall Islands Office	
Mr. Kazuo SENG	Resident Representative
Mr. Takayuki MURAKAMI	Volunteer Coordinator

4. Minutes of Discussions

4-1. Field Survey

MINUTES OF DISCUSSIONS
ON BASIC DESIGN STUDY
ON THE PROJECT FOR CONSTRUCTION OF FISH MARKET CENTER
AT MAJURO ATOLL
IN REPUBLIC OF THE MARSHALL ISLANDS

Based on the results of the Preliminary Study, the Government of Japan decided to conduct a Basic Design Study on the Project for Construction of Fish Market Center at Majuro Atoll (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Republic of the Marshall Islands (hereinafter referred to as "the RMI") the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Shin Maruo, Senior Program Officer, Project Study Division III, Grant Aid and Loan Support Department, JICA, and is scheduled to stay in the RMI from 23rd July 2008 to 16th August 2008.

The Team held discussions with the officials concerned of the RMI and conducted a field survey at the study area.

As a result of discussions and field survey, both parties confirmed the main items described on the attached sheets.

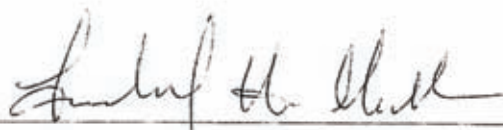
Majuro, 15th August, 2008



Mr. Shin Maruo

Leader

Basic Design Study Team
Japan International Cooperation Agency



Hon. Frederick H. Muller

Minister
Ministry of Resources and Development
Chairman, Board of Directors
Marshall Islands Marine Resources Authority

ATTACHMENT

1. Objective of the Project

The objective of the Project is to promote fisheries activities in outer islands through enhancing fresh fish transportation system from outer islands to Majuro and fresh fish distribution network in Majuro.

2. Project site

The site of the Project is in Uliga Area, Majuro Atoll as shown in ANNEX-I.

3. Responsible and Implementing Agency

3.1. The Responsible Agency is the Ministry of Resources and Development.

3.2. The Implementing Agency is Marshall Islands Marine Resources Authority (MIMRA).

4. Items Requested by the Government of the RMI

Based on the priority confirmed between the Government of the RMI and the Preliminary Study Team, both sides made discussions and the items listed in ANNEX-II were finally requested by the RMI side.

The Team explained that JICA will assess the appropriateness of the request after further study and analysis, and will recommend to the Government of Japan for approval.

5. Japan's Grant Aid Scheme

The RMI side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of the RMI as explained by the Team and described on the Minutes of Discussions signed by the Preliminary Study Team and the Government of the RMI on 8th February, 2008. The Team explained that there would be some changes on the procedures of Japan's Grant Aid scheme and that the renewed procedures might be explained by the Draft Report Explanation Team in December, 2008.

6. Schedule of the Study

6-1. JICA will prepare the draft report in English and dispatch a mission to the RMI in order to explain its contents in December, 2008.

6-2. In case that the contents of the report is accepted in principle by the Government of the RMI, JICA will complete the final report and send it to the Government of the RMI by the end of February, 2009.

7. Other relevant issues

7.1. Operation and Management of Fish Market Center

The RMI side presented the current organization chart for the operation and management of Outer Islands Fish Market Center (OIFMC), which is currently located at MIMRA compound in Delap. In noting the challenges and constraints of the current market system, the RMI side



explained that the management system of new Fish Market aims to (1) continue the current system, (2) expand the operation, and (3) improve standards for fish supply in Majuro, as an urban center in the RMI. Hence, to continue means that there exist, already a management team, which is managing the OIFMC. In anticipation of the expansion with the Project, MIMRA has recently hired a new Market Center Manger. To expand means to increase the supply with infrastructure and equipments at the new Fish Market and to improve standards means to provide for a seafood safety handling system to ensure quality and safe products for consumers. The organization chart presented by the RMI side is attached as ANNEX-III.

Further, the RMI side explained that the current financial system of the OIFMC will roll over to the new market, providing for initial capital cost. Sales of fish and other products will be expected to cover operation costs in future, when fully operational. The RMI side noted that there would be subsidy required initially, and that this will be borne by MIMRA and the RMI Government. However, the objective is to have the Market Center self sustainable through sales and revenues in the future.

7.2. Land Clearance of the Project Area

The Team confirmed land clearance, such as removal of trees, tires and garbage, in and around the Project site would be done by the RMI side prior to the implementation of the Project as is confirmed between the RMI side and the Preliminary Study Team. Besides, the Team recommended planting new trees for substituting the removed trees from the view point of environmental consideration.

7.3. Coordination with Existing Facilities

The Team requested MIMRA to continue necessary coordination with Marshall Islands Port Authority (MIPA), an organization responsible for the management of existing dock, on the rules and regulations of utilization plan of the Project area and so forth. This applies to the RMI Government and other stakeholders.

7.4. Stakeholder Meetings

The RMI side informed that a meeting with land owners was held on 27th May, 2008 and that an agreement was obtained for the implementation of the project as described on the Minutes of Discussions attached as ANNEX-V. Besides, further land owner meeting was held on 8th August, 2008 to reconfirm the agreement on the Project in collaboration with the Team. The RMI side ensured to continue its effort to provide information on the Project through the general public. Any outcomes pertaining to MIMRA's effort will be forwarded to JICA/JOCV Marshall Office promptly. The table containing the outcomes of past consultation is attached as ANNEX-VI.

7.5. Social Consideration

The Fish Market Center will act as a wholesale, as confirmed between the RMI side and the Preliminary Study Team. In noting potential negative impact, the RMI side ensured to take necessary measures to promote positive impact and compliment the existing fresh fish retailers, such as supermarkets, kiosks, gas stations and so on.

7.6. Necessary Permissions for the Project

The RMI side noted that further requirements from other RMI Government Agencies may be relevant. And the RMI side informed that these include requirements from Environmental Protection Authority (EPA), Historical Preservation Office (HPO), Attorney General Office, Ministry of Transportation and Communication and others. The RMI side assured to obtain all the necessary requirements prior to the implementation of the Project and to bear the cost to obtain the permissions.

7.7. Basic Infrastructure Preparation

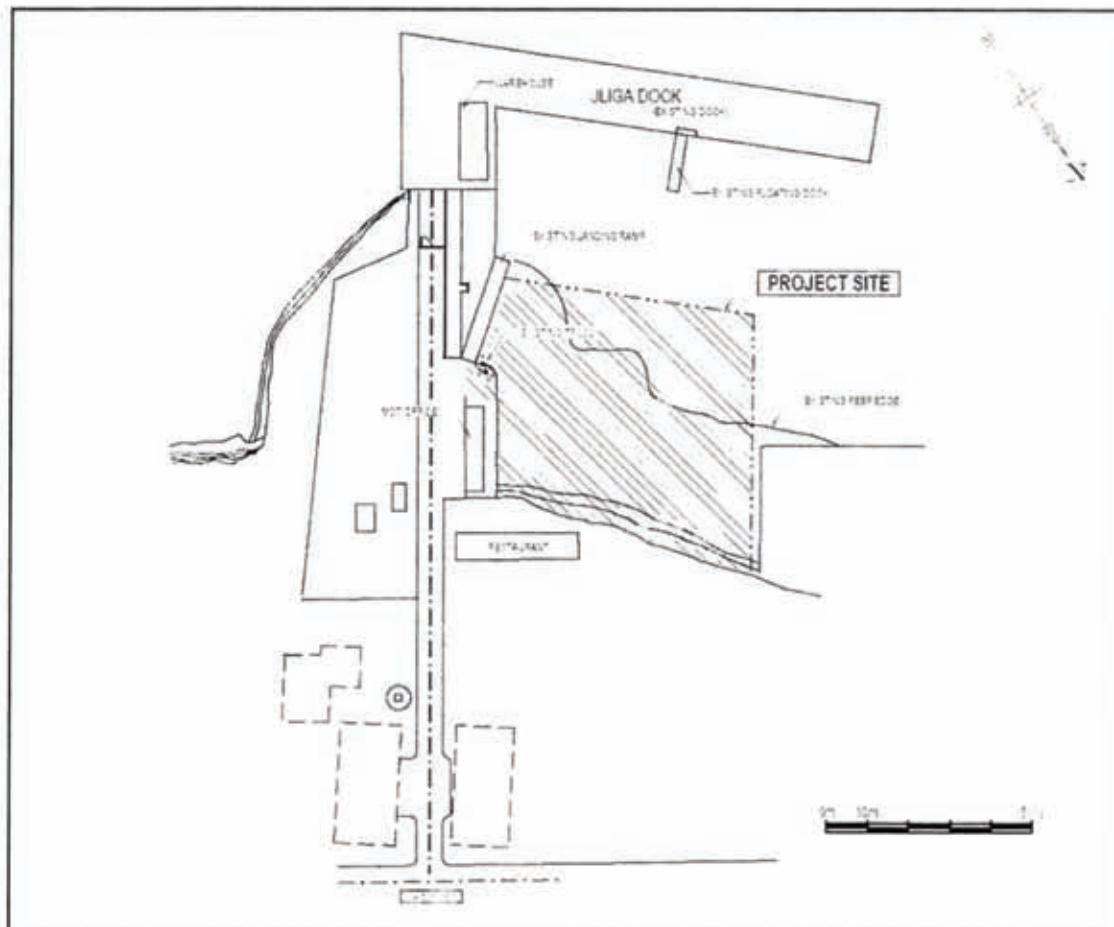
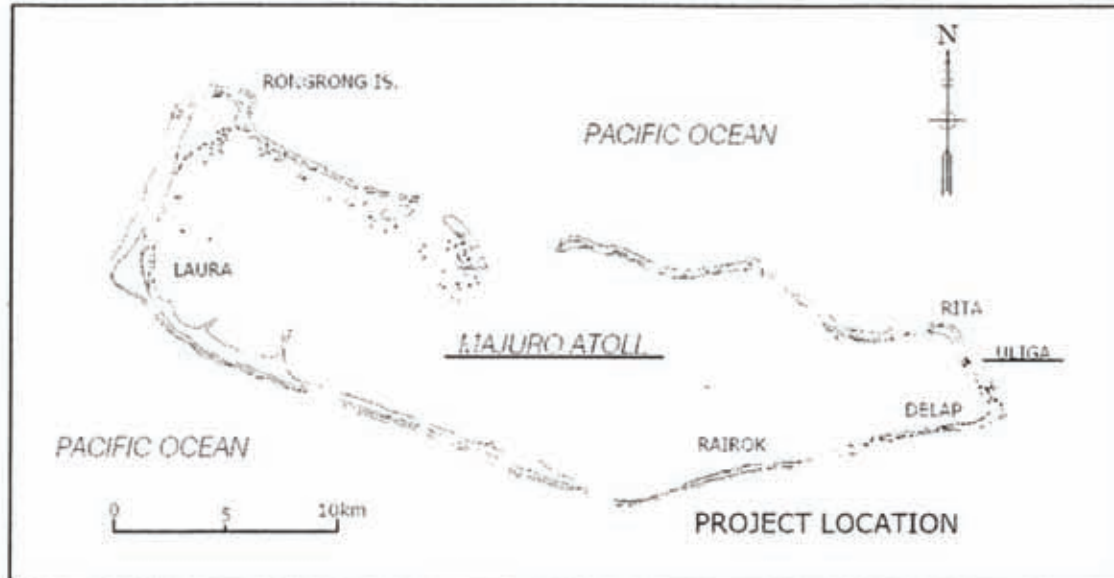
The RMI side agreed to provide basic infrastructure such as electricity, water supply, etc. to the Project site with its own expense before the completion of construction works of the Project.

7.8. Operation of Fish Collection Boats

The impact from the Project relies on the amount of fresh fish transported from outer islands. So the Team recommended enhancing fish collection boat operation system for maximizing the Project impact.

ANNEX- I	Location Map of the Project Site
ANNEX- II	Items requested by the Government of the RMI
ANNEX-III	Current Organization Chart of the Operation and Management of Outer Islands Fish Market Center
ANNEX-IV	Minutes of Discussions of Consultation Meeting held on 27 th May, 2008
ANNEX- V	Outcomes of Past Consultation Meetings

Location Map of the Project Site



Items requested by the Government of the RMI

(First Priority)

Dock (110m)

Site Filling: 10,000m³

Fish Market Center Building: 650m²

Ice Making Machine: 1 ton / day

Ice Storage: 5 ton

Chilled Storage: 15 ton

Water Catchment Tank: 15 ton

Toilet: 60m²

Waste Water Treatment Facility

Site Pavement: 2,900m²

Storm Drain: 130m

Outdoor Lighting Pole 5nos

Power Distribution including Solar Power System within the Project Site

Market Center Accessories: Fish Boxes, Tables, Scales, Push Cart, SSB Radio and High Pressure Water Cleaner

Fish Collection Boats: FRP type (16m) 2 units

Soft Component: Consulting Services for Management and Operation of Facilities and Equipments

(Second Priority)

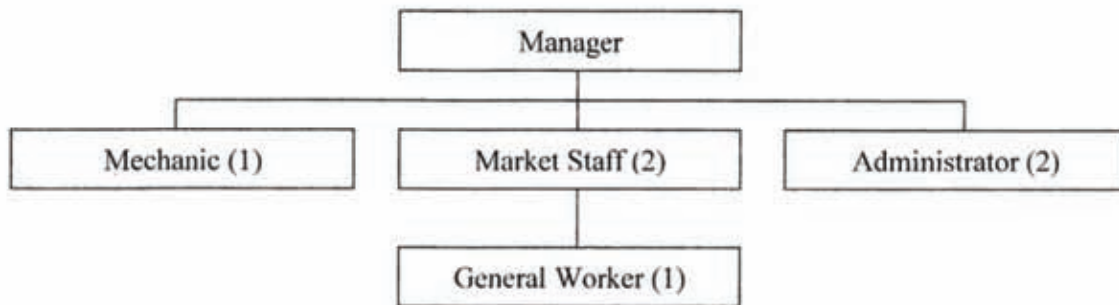
Market Center Accessories: Band Saw

Items eliminated from the request

Market Center Accessories: Cutting Board and Slicer



Current Organization Chart for the Operation and Management of
Outer Islands Fish Market Center





REPUBLIC OF THE MARSHALL ISLANDS

MARSHALL ISLANDS MARINE RESOURCES AUTHORITY

PO BOX 860 MAJURO, MARSHALL ISLANDS 96960

Fish Market Center Establishment Consultation Meeting

May 27, 2008 – 12:00 p.m.

Won Hai Shen Restaurant

Minutes of Discussion

Present:

Jiba Kabua, Stakeholder of Jemenei, Uliga
Charles Muller, Landowner for Toeak Weto, Uliga
Neri Tebro Nena, Landowner for Toeak Weto, Uliga
Rose Maddison, Landowner for Toeak Weto, Uliga 625 1026
Glen Joseph, Director, MIMRA
Fred Bukida, Outer Island Fish Market Manager, MIMRA
Florence Edwards, MIMRA

The Director of MIMRA opened the meeting by thanking all the Landowners in setting aside their valuable time to attend the follow-up consultation. In recapping from the last meeting, the Director noted the need to involve the Jemenei group, as they have a lease with the landowners for the adjacent property with the respect to the proposed Majuro Fish Market Center. Further, the Director noted with appreciation, the presence of Mr. Jiba Kabua, representing the interest of the Jemenei group.

The Director, further explained the Majuro Fish Market Center, as was introduced in the first meeting. He added that the Japanese Government, through Japan International Cooperation Association, JICA, intends to dispatch a Basic Design Study Team in early August.

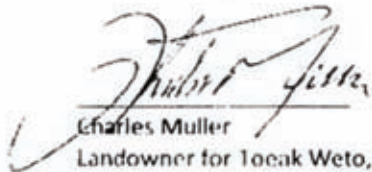
Mr. Jiba Kabua, representing the Jemenei group, expressed his support as well as concern on the impact of the market to the Jemenei site at the Uliga dock. He added that one attraction of the restaurant is the view towards the dock and the lagoon. In supporting the project, he added that MIMRA should consider value adding the property in the sense that it does not present a sore eye from the viewpoint of the restaurant. He outlined the concerns as per the following:

1. That the market design add value to the area, beautification, and does not impact the restaurant and its customers.
2. That the Landowners of the Toeak Weto understand the importance of the project and the benefits that will accrue.

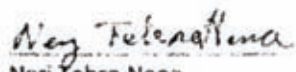
Mr. Charles Muller and the rest of the Toeak Weto Landowners expressed agreement with issues brought up by Mr. Jiba Kabua and further stressed that the benefits from the new fish market center include job opportunities and/or training to the people of Majuro, especially the Uliga community members.

MIMRA thanked the landowners for their usual support and cooperation in this endeavor and looked forward to more consultations should the need arise.

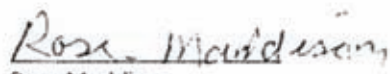
Verified:


Charles Muller
Landowner for Toeak Weto, Uliga


Iiba Kabua
Landowner for Jemenei, Uliga


Neri Tebro Nena
Landowner for Toeak Weto, Uliga


Glen Joseph
Director, MIMRA


Rose Maddison
Landowner for Toeak Weto, Uliga

Outcomes of Past Consultation Meetings

Date	Event	Focus Group(s)	outcomes
	MIMRA Board of Director's Meeting	MIMRA Board of Director	Presentation of the Project proposal content for submission to Japan Grant in Aid Scheme through the RMI Ministry of Foreign Affairs to the Japanese Government.
February 5, 2008	Stakeholder Meeting	Ministry of Transportation & Communications Ministry of Foreign Affairs Ministry of Resources & Development Environmental Protection Agency MIMRA	Full presentation of the project presented to stakeholders stated on the left. Support of the concept of the project was expressed and clarification of neighboring buildings of the proposed site identified.
February 12, 2008	Stakeholder Meeting	RMI Ports Authority Ministry of Internal Affairs MIMRA	Full presentation of the project presented to the stakeholders stated on the left. Support of the concept of the project was expressed and agreement from RMI Ports Authority was stated with the agreement that MIMRA will take on the lease payment for the project proposed site.
February 13, 2008	Stakeholder Meeting	Charles Muller, Landowner for Toeak Weto, Uliga Neri Tebro Nena, Landowner for Toeak Weto, Uliga Rose Maddison, Landowner for Toeak Weto, Uliga MIMRA	Full presentation of the project presented to the Landowners of the proposed project site. Unanimous support that the project move forward.
July 8, 2008	National Fisheries Forum	Local Government Mayors, National Agencies, NGO's	The Forum theme was "Linking Services to the people" and MIMRA purpose, projects and activities were presented to the group stated on the left. For both days, the Fish Market Project was presented and all round supports from all the Mayors and/or representatives of each respective atoll (exception of Enewetak which had none attendance).
May 27, 2008	Stakeholder Meeting	Jiba Kabua, Landowner/Stakeholder of Jemenei, Uliga Charles Muller, Landowner for Toeak Weto, Uliga Neri Tebro Nena, Landowner for Toeak Weto, Uliga Rose Maddison, Landowner for Toeak Weto, Uliga MIMRA	Round two of consultations with Landowners along with a representative of the Jemenei Company, leaseholders of the adjacent land parcel to the proposed site. The project was reiterated for the benefit of the Jemenei representative. All parties agreed that the project would be beneficial to the Marshall Islands, especially the Uliga community.

August 8, 2008	Stakeholder Meeting	Charles Muller, Landowner for Toeak Weto, Uliga Neri Tebro Nena, Landowner for Toeak Weto, Uliga Rose Maddison, Landowner for Toeak Weto, Uliga MIMRA JICA Basic Design Team	Round 3 of consultations with Landowners. The JICA Basic Design Team updated the landowners on the progress schedule of the project. Once again, the Landowners voiced their support of the project.
	Marshall Islands Journal issued on July 25, 2008	Marshall Islands Journal Readers	Updates on the progress of the Market Project




4-2. Consultation of Draft Report

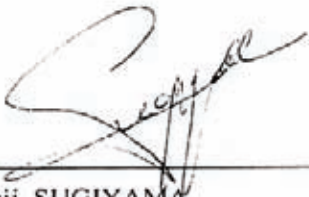
**MINUTES OF DISCUSSIONS
ON THE PREPARATORY STUDY (BASIC DESIGN STUDY) ON
THE PROJECT FOR CONSTRUCTION OF
FISH MARKET CENTER AT MAJURO ATOLL
IN THE REPUBLIC OF THE MARSHALL ISLANDS
(EXPLANATION OF DRAFT FINAL REPORT)**

In August 2008, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Preparatory Study Team on the Project for Construction of Fish Market Center at Majuro Atoll (hereinafter referred to as "the Project") to the Republic of the Marshall Islands (hereinafter referred to as "the RMI"), and through discussion, field survey, and technical examination in Japan, JICA prepared a draft report of the study.


In order to explain and to discuss with officials of the Government of the RMI on the components of the draft report, JICA sent to the RMI the Draft Final Report Explanation Team (hereinafter referred to as "the Team"), headed by Mr. Shunji SUGIYAMA, Senior Advisor, Japan International Cooperation Agency, which was scheduled to stay in the country from 15th to 19th December, 2008.

As a result of discussion, both parties confirmed the items described on the attached sheets.

Majuro, 18th December, 2008



Mr. Shunji SUGIYAMA
Leader
Draft Final Report Explanation Team
Japan International Cooperation Agency



Mr. Glen JOSEPH
Director
Marshall Islands Marine Resources Authority
Ministry of Resources and Development

ATTACHMENT

1. Components of the Draft Final Report

The RMI side agreed and accepted in principle the components of the draft final report explained by the Team including obligations of the recipient country which are mentioned in Chapter 3 of the draft report.

2. Japan's Grant Aid scheme

The RMI side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the RMI side as explained by the Team and described on the Minutes of Discussions signed by the Preliminary Study Team and the Government of the RMI on 8th February, 2008.

The Team explained that the position of JICA had been changed to be a direct responsible organization for the Project until completion of the construction.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Marshall Island Marine Resource Authority representing the RMI side by the end of February, 2009.

4. Confidentiality of the Project Cost Estimation

The Team explained the cost estimation of the Project as described in Annex-1. Both sides agreed that the Project Cost Estimation should never be duplicated or released to any outside parties before signing of all the Contract(s) for the Project. The RMI side understood that this Project Cost Estimation is not final and is subject to change.

5. Other Relevant Issues

5-1. Land Clearance of the Project Area

The RMI side agreed that areas in and around the Project site shall be cleared and all the obstacles for construction work including trees, tires, garbage and SSB antenna will be removed/relocated prior to the implementation of the Project. Upon completion of this work, the RMI side will report to the JICA Marshall Office promptly.

5-2. Necessary Permissions for the Project

The RMI side explained that remaining permissions/approvals to be obtained for the implementation of the Project are as follows;

- A construction approval from the Environmental protection authority (EPA)



- A construction approval from the Historical preservation office (HPO)
- A construction permit in the port from the Port authority, the Ministry of transportation and communication
- Amendment of lease contracts with the land right owners

The RMI side affirmed that these permissions/approvals will be obtained before the implementation of the Project as confirmed on the Minute of Discussions between the RMI side and the Basic Study Team. The RMI will report to the JICA Marshall Office on the progress of these procedures 2 months before the tender.

5-3. Basic Infrastructure Preparation

The RMI agreed to provide basic infrastructure such as electricity, water supply, etc. to the Project site with its own expenses by the time of the tender.

5-4. Operation of the project facilities/equipment

As shown in the Chapter 5 of the draft report, it is envisaged that expenditures for the project operation will exceed the income of the Project. The RMI side reiterated that this project aims to promote fisheries activities in outer islands as part of the government support for the people of rural areas and it is hence prepared to make up the deficit.

The Team recommended that the RMI side re-examine the operation plan of the fish collection boats in order to increase the number of collection trips. The increased volume of fish marketed by the Project will reduce the deficit of the project operation while providing more income-generation opportunities for the people of outer islands.

5-5. Recruitment of the project staff

The implementation of the Project will require additional three crew members of the collection boat(one captain, one engineer and one deck hand) and two market operators to be recruited. The RMI side confirmed that recruitment process of these additional staff members of the project will be completed before the RMI's fiscal year of 2009/10(which starts in October 2009). This will enable these new staff members to receive necessary technical guidance and training from the Project.

Annex -1: Estimated cost of the Project




5. Soft Component (Technical Assistance) Plan

BASIC DESIGN STUDY
ON
THE PROJECT FOR CONSTRUCTION OF
FISH MARKET CENTER
AT MAJURO ATOLL
IN
REPUBLIC OF THE MARSHALL ISLANDS

FEBRUARY 2009

Soft Component Plan

Fisheries Engineering., Co., Ltd.

1. Background of the Soft Component Plan

Fresh fish from MIMRA's fish collecting operations in the Outer Islands is transported from the islands and sold in Majuro in the OIFMC, but the fish left unsold proportion reached to 10% of incoming volume in 2007. Although people in Majuro have a deep-rooted preference for species of fish and fish caught in Majuro, and substantial quantities of unpopular kinds of fish are included among the fish brought in from the Outer Islands, customers' reluctance to buy them are mainly attributed to poor handling of the Outer Islands fish which deteriorate quality of them. In order to increase distribution volume of the Outer Islands' fish in Majuro, it is essential to improve the quality of the fresh fish from the Outer Islands, and to sell fish and fish products which meet the consumers needs and preferences, as well as to improve the convenience of the market for users. In addition, fish and other merchandise which are in line with customers' needs should be sold, and efforts shall be made to improve convenience for users. Thus, the following problems should be addressed.

- 1) The fish is poorly handled in loading and during transportation from the Outer Islands, which make the quality of fish deteriorate tremendously.
- 2) The landings of the fish are time-consuming, which are carrying out for a long time on the sundrenched decks of fish collection boats, which reduces freshness of the fish.
- 3) After fish are sorted out into four categories, they are sold with small effort to meet customers' needs.
- 4) Deliveries of fresh fish from the Outer Islands are irregular, and there is no information in public when and from what islands the fish are coming, the present market dose not draw many customers.

2. Implementation plan

In order to meet these problems, all people involved in handling fresh fish should learn and accustom to proper handling and techniques for it. Since this will probably require considerable time, it is hoped that medium-to-long term technical support under the schemes which dispatch experts and/or volunteers will be realized. However, to achieve the best results in the current plan, at least the core group of them dealing with fresh fish should have a basic knowledge of proper handling and working technology. To that end, we plan a soft component in the project in which technical assistance by the consultant, in proper fresh fish handling and working technology, will be provided to the Outer Islands' fishers, the fish base managers, crew of the fish collection boats, and staff in the planned fish market.

3. Effects expected by implementing the soft components

The following effects are expected by implementing the soft components.

- 1) Handling of the fresh fish after collection from the Outer Islands will be improved, and developed

the greater understanding of freshness management by those engaged in fish handling in the Outer Islands.

- 2) Efficiency of the series of handling operations such as landing of fresh fish from the fish collection boat, transport, sorting, weighing, etc., will be increased.
- 3) The freshness of the fish sold will be improved, and the fish will be sold in a manner to be acceptable by general consumers of Majuro.
- 4) The operation of the fish collection boats will become widely known, to make users more convenient.
- 5) The percentage of fish left unsold will be reduced as a result of the improvement of freshness of the fish and convenience for the consumers of Majuro.

5. Activity details

Target 1 :	Improvement of quality control of the fish
Activity details:	On-the-job training (OJT) for managers of fish bases in the Outer Islands and the crew of the fish collection boats, and instruction for the fishers in the Outer Islands (on handling the catch, classification of fish, how to use ice, improved methods for packing and preservation during transportation by boat)
Duration	During construction of the facilities (1-4 days/atoll x 4 atolls, conducted during the boats are engaging in fish collection)
Target 2 :	Improvement of fish handling in landing operation
Activity details:	OJT for MIMRA shore staff and the crew of fish collection boat (including instruction on the offloading, transportation, and sorting of fish and other works to be applied in the plan market)
Duration	During construction up to completion of the facilities (conducted at each landing in Majuro)
Target 3 :	Instruction on treatment, marketing know-how of fresh fish, and food hygiene
Activity details:	OJT for MIMRA shore staff and developing an understanding of customer needs (including technical instruction on how to display, cleaning and gutting fish, filleting, arrangement on the tray, packaging and so on; food hygiene training; questionnaires and workshops to develop an understanding of customer needs)
Duration	During construction up to completion of the facilities (at intervals)
Target 4 :	Making the market convenient for user
Activity details:	Supporting public relations activities of MIMRA (including posting information on the schedules of fish collection boats, species and volumes of arriving fish, in public and on the MIMRA website)
Duration	During construction up to completion of the facilities (at intervals)

6. Obligation of The Recipient Country

Before implementing the soft components of this plan, MIMRA must establish the new operating system for the fish collection boats, including crew members, and the operating system for the new fish market by the beginning of 2011, so they can be ready to start at any time.

7. Initial Cost Estimation

The total project cost required to implement this Soft Component Plan is 8.016 million yen.

6. Other Relevant Data

No	Totle	Form	Original /Copy	Publisher	Year
1	Preliminary Employment Statistics for Fiscal Year 2007	Data	Copy	Economic Policy, Planning and Statistics Office, RMI (EPPSO)	2007.1
2	RMI 2006 Community Survey	Data	Copy	EPPSO	2006.5
3	Household Income & Expenditure Survey 2002	Data	Copy	EPPSO	2003
4	Community-Based Coastal Marine Resources Development in the Republic of the Marshall Islands	Data	Copy	ADB	2002.3
5	The Contribution of Fisheries to the Economies of Pacific Island Countries	Data	Copy	ADB/FFA/WB	2001.12
6	1999 Census of Population and Housing	Data	Copy	Office of Planning and Statistics Majuro, Marshall Islands	1999.7
7	Millennium Development Goals National Progress Report	Data	Copy	UNDP/ EPPSO	2005.9
8	Fishery Policy in the Marshall Islands	Data	Copy	FAO	2005
9	Statistical Yearbook 2004	Data	Copy	EPPSO	2005.9
10	Republic of the Marshall Islands Ministry of Resources and Development Strategy and Action Plan 2005-2010	Data	Copy	RMI	2004.11
11	Republic of the Marshall Islands National Fisheries Development Plan	Data	Copy	Asian Development Bank	1997.2
12	Marshall Islands Marine Resources Authority Annual Report 2006/07	Data	Copy	MIMRA	2008.9
13	Marshall Islands Marine Resources Authority Annual Report 2005/06	Data	Copy	MIMRA	2007.9
14	Marshall Islands Marine Resources Authority Annual Report 2004/05	Data	Copy	MIMRA	2006.9
15	Marshall Islands Marine Resources Authority Annual Report 2003/04	Data	Copy	MIMRA	2005.9
16	Marshall Islands Marine Resources Authority Annual Report 2002/03	Data	Copy	MIMRA	2003.10
17	Marshall Islands Marine Resources Authority Annual Report 2001/02	Data	Copy	MIMRA	2001.10
18	Uliga Market Proposal Plan to Diversify Operations	Data	Copy	MIMRA Fish Market Manager	2008.7
19	Marshall Islands Marine Resources Authority Fiscal Year 2007/2008 Projected Financial Statements	Data	Copy	RMI/MIMRA	2008
20	Arno Fishing Association Revenue and Expenditure Monthly Report 2008	Data	Copy	Arno Fishing Association	2008.1
21	Coastal Fisheries Statistics Report 2004 for Survey Result of Arno Atoll and Majuro Atoll And Estimate total Catches of Marshall Islands	Data	Copy	MIMRA/OFCF	2005.9

