



Bi-annual Project Progress Report
of
Integrated Coastal Resources Management in Pulau Langkawi
(ICRM-PL)
January - June 2006

Compiled by

Sei Etoh



Training Department
Southeast Asian Fisheries Development Center

TD/RP/99
LBCRM-PL No. 6

September 2006

Biannual Project Progress Report

- Project title** : **Integrated Coastal Resources Management in Pulau Langkawi (ICRM – PL)**
- Program Categories** : Programs under the ASEAN-SEAFDEC FCG Mechanism
- Program Title** : Capacity Building on Human Resources and Participation in Integrated Coastal Resources Management
- Duration of Project** : 1st Phase: 17 months (August 2003 – December 2004 under TF-1)
2nd Phase: 36 months (January 2005 – December 2007 under TF - 4)
- Executing Agency** : The Department of Fisheries, Ministry of Agriculture, Malaysia
- Collaborating Agency** : SEAFDEC/TD
- Funding Agency** : The Japanese Trust Fund (FCG Scheme and Special 5-year Program)
DOF Malaysia (Co-financing)
- Proposed Budget (2006 only)** : USD 25,005 (Under the Japanese Trust Fund 4)
USD ? (DOF Malaysia Input)
- Reporting period** : **January to June, 2006**

Prepared by : Sei Etoh, Project Leader
1st September 2006

TABLE OF CONTENTS

	<u>Page</u>
1. GENERAL ACCOUNT	3
2. ACTIVITIES	3
3. OUTCOME	7
4. MAJOR CONSTRAINTS	8
5. WORKPLAN FOR THE NEXT REPORTING PERIOD	8
6. REPORTS PREPARED	9

ANNEX

Annex 1 : Annual Activity Monitoring Sheet	10
Annex 2 : Report on marine resources monitoring survey in Langkawi	12
Annex 3 : Report on Fishermen's Workshop on Zoning Arrangement	16
Annex 4 : Report on Workshop on Local Business Development	20
Annex 5 : Back-To-Office Report (Langkawi)	22
Annex 6 : Minutes of 4 th SC meeting	25
Annex 7 : Minutes of 7 th ICC meeting	29

1. GENERAL ACCOUNT

The rehabilitation from the tsunami assault has made good progress and fishermen are now convinced that the fishing activity has been resumed to the extent of 70-80% compared with the pre-tsunami condition. The main progress achieved during this reporting period features formulation of the draft on Fishery Resources Management Plan with participation of fishers' group.

The reconstruction of the jetty was completed by the Drainage and Irrigation Department, Langkawi.

The data collection for fish landing and marine biological survey were conducted routinely.

The organization of Fishery Resources Management Committee (FRMC) within KEN was established and the formulation of the Fishery Resources Management Plan (FRMP) by them is in progress with technical assistance from DOF and SEAFDEC/TD.

The fisher's workshop was held in Surat Thani Province, Thailand, mainly to discuss the above issue.

The women's group is actively producing fish-based products. They are going to expand the business in a new premise which is under construction.

Ten units of ARs were installed by LKIM.

The workshop on identification of the possible local business was organized by the Fisheries Technology Development Section, DOF in Langkawi.

Constructions of a new fish processing yard and a boat repairing yard are in designing and tendering stage.

2. ACTIVITIES

The project activity has been more or less normalized in the wake of rehabilitation from the tsunami assault. The progress in project activity can be monitored in line with the workplan schedule as shown in the annual activity monitoring sheet of **Annex 1**.

2.1. Monitoring survey

Fish landing survey

The data collection for fish landing was resumed in August 2005 in an effort to fill up two kinds of log book daily through contracted middlemen as enumerators, and since then it has been carried out regularly. The physical monitoring on its exercise was conducted on 19-21 April, 2006 by the research officer of SEAFDEC/TD. The result will be compiled in August 2006.

Marine resources survey

The marine resources survey was resumed in August, 2005 after the tsunami assault; since then the survey has been routinely repeated at 3-4 month intervals. During this reporting period, it

was taken place in April as the previous one was taken place in mid November, 2005. The detailed account is shown in **Annex 2: Report on marine resources monitoring survey in Langkawi**, which includes the preliminary analysis of data collected to date. The data obtained from August 2005 through July 2006 will be analyzed and compiled in August 2006 as an annual compilation.

It was suggested at the 7th ICC meeting that the collaboration work with the fishery officers in Kedah State in exchanging data and information for the daily fish landing should be made for cross checking. The data collection by the fishery officer in Kedah State takes place once a month in Langkawi.

2.2. Encourage and extend the CBRM concept

Zoning arrangement

In the wake of forming the Fishery Resources Management Committee (FRMC) on 9 July, 2005, two zoning meetings were held during the previous reporting period. Through these two meetings, the framework and structure of the FRMC were established. As a next step, the management plan was to be drafted by the FRMC and submit to DOF for endorsement, which will be gazetted by the Minister of Agriculture. In a bid to formulate the management plan, a fishermen's workshop was held on 7-9 March in Surat Thani, Thailand, and participated by the DOF officers including a legal officer, committee members of KEN Kuala Teriang and Kuala Chenang and SEAFDEC/TD staff. A suggested model of management plan was prepared by SEAFDEC/TD and presented at the workshop as discussion materials. Based on this model, the advance draft of the management plan was completed after lively discussion in Bahasa Malay. The detailed description on this workshop is seen in **Annex 3: Report on the Fishermen's Workshop on zoning arrangement**.

This draft was further improved by the working group of DOF, Kuala Lumpur comprising various officers concerned; the 2nd draft was submitted to the 7th ICC meeting on 19 April for further amendment by incorporating the local authorities and fishers views. The draft has been circulated for comments among relevant authorities and institutions. The resultant comments are to be incorporated into the refined draft and a seminar is planned to discuss all issues among all parties concerned in August or September.

Local enforcement unit

After the study tour to Penang by the leading members of KEN in August 2005, an effort was made to establish a local enforcement unit in Kuala Teriang similar to the one in Penang. However, the responsibility of fisheries enforcement function under the jurisdiction of the Fisheries Enforcement Unit, DOF, was transferred to the newly organized body called "Maritime Enforcement Agency" under the Prime Minister's Office starting 2006 and the process is on-going. Therefore, under the transitional circumstance the local enforcement unit may not be realized for the time being.

Crab bank

After learning from the study tour in Chumphon, Thailand in June 2005, the KEN decided to establish a crab bank scheme just like the one in the Chumphon project. In an attempt to install stocking cages for gravid crab, the negotiation to acquire the space in the area with LADA has been continued. Once the space is allocated, it is envisaged that the crab bank scheme will be initiated

2.3. Encourage in local businesses

The fish processing yard was expanded with the fund doubled from DCF in January and the business line was also expanded to include the management of a mini-restaurant adjacent to the processing yard. Diversification of the product lines has been made with three more new snack products. The marketing channels have been expanded thanks to the support from LADA.

It was decided to construct the second fish processing yard to produce seasoned and dried fish products with the Grassroots Tsunami Fund injected by the Japanese Embassy, and the layout design was completed and the tender process is pending, which has been dragging on for a long time.

Training in computerized bookkeeping system was conducted in April by a computer supplier in Kedah State. However, the introduced software for accounting was so sophisticated for the level of women's group that the extension officer had to modify it to a simple way for training. The table below shows a general accounting of the Women's Economic Group (KEW) prepared by them using the introduced accounting soft-ware.

Table 1: Account sheet for Women's Economic Group (KEW)
(in RM)

For 2005

Month	B/F	Sale	Material	Share for attendance	Gross income	Balance
March	183.0	186.5	270.0	0.0	-83.5	99.5
April	99.5	4,976.5	253.0	750.0	3,973.5	4,073.0
May	4,073.0	603.0	635.0	0.0	-32.0	4,041.0
June	4,041.0	1,559.0	862.9	0.0	696.1	4,737.1
July	4,737.1	2,129.5	1,479.0	0.0	650.5	5,387.6
August	5,387.6	771.0	618.4	0.0	152.6	5,540.2
September	5,540.2	230.5	215.0	0.0	15.5	5,555.7
October	5,555.7	925.5	79.5	2,840.0	-1,994.0	3,561.7
November	3,561.7	317.5	965.2	0.0	-647.7	2,914.0
December	2,914.0	897.0	785.6	0.0	111.4	3,025.4
Total		12,596.0	6,163.6	3,590.0	2,842.4	
Balance increased :						2,842.4

For 2006

Month	B/F	Sale	Material	Share for attendance	Gross income	Balance
January	3,025.4	621.5	533.3	0.0	88.2	3,113.6

February	3,113.6	2,248.0	711.5	0.0	1,536.5	4,650.1
March	4,650.1	795.0	103.2	0.0	691.8	5,341.9
April	5,341.9					
Total						

The active members in the KEW group is 5 out of a total of 17. As seen in the accounting result, the saved balance has been gradually increased and the work was achieved by voluntary contribution from those 5 members. The level of each share is still marginal with the range of RM 718 per head for 10 months, or equivalent to RM71.9 per month in 2005. However, it is evidently true that the working morale in voluntary participation to the group activity is very high. This is more encouraging than anything else. It is anticipated that the scope of their enterprise will be to be expanded once the new fish processing yard is completed.

A one-day workshop was organized by the Fish Technology and Fishermen Community Section of the DOF in Langkawi on 8th May 2006 in a bid to identify appropriate and lucrative local business. At this workshop, 12 and 8 members from KEN and KEW Kuala Teriang participated. As a result, an idea from the KEW was to process fish rolls (spicy fish paste rolls) and for the KEN to culture grouper in cages. As for the proposal of KEW, it will be challenged after completion of the 2nd fish processing yard which is under construction. For the proposal of KEN, the major constrain would be allocating the required space by LADA.

Efforts to identify an alternative local business for KEN are exerted. The KEN planned to initiate businesses in boat management and engine repair workshop after the new boat repairing yard is completed.

2.4. Enhancement in human resources capacity building and participation

As aforementioned in 2.2., the fishermen's workshop to draft a fishery resources management plan was organized on 7-9 March 2006 in Surat Thani. At this meeting, the draft of fishery resources management plan was formulated with contribution from various sectors concerned. The detailed description of this workshop is seen in **Annex 3: Report on the fishermen's workshop on zoning arrangement.**

2.5. Fishing gear technology improvement

A fishermen's workshop was held on monitoring the outcome of introduction of new or improved fishing method in November 2005; it was found that the fishermen had not adopted any introduced fishing method although they appreciated the effectiveness and simplicity of those methods. They explained that one of the reasons was the tsunami assault that made fishermen paying all attention to urgent rehabilitation work, but not to such development work. Under such circumstance and dwindling financial inputs to the project, it was decided in the 3rd SC meeting held in March 2006 that this activity line should be put in the lower priority. Instead, however, the representatives of KEN expressed their keen interest in undergoing an advanced training in repairing wooden boat with FRP material. Reflecting to their request, the boat repairing training was planned to take place in the next reporting period.

2.6. Rehabilitation and enhancement in coastal resources

Ten units of ARs were installed on 21 January by LKIM at where the pre-installation marine biological survey was conducted on 23-24 November 2005 by the joint team of SEAFDEC/TD and the DOF Malaysia. The detailed structure of these ARs and the position are seen in **Annex 5: Back-to-Office report (Langkawi)**.

It was envisaged in the annual work-plan that 10 sets of FEDs would be installed by SEAFDEC/TD in combination with the installed ARs. However, the project experienced uncertainty in their durability judging from the FEDs installed in Langkawi as well as those in Chumphon, Thailand. In case of Langkawi 3 out of 4 units, and in Chumphon 9 of 10 units were lost within one year. Therefore, an attempt to install 10 units has been suspended pending on assurance of its durability. It was planned to install 10 units of FED with improved and reinforced design in Chumphon in August as a test case, and with the convincing result how to install them would be decided.

Partly aimed at protecting from tsunami invasion again and partly improving fish habitat, it was envisaged to plant mangrove trees in the gulf of Kuala Teriang.; the test plantation was tried out by the Drainage and Irrigation Department, Langkawi in 2005. But all trees died within a few months. This issue was discussed at the 7th ICC meeting in April and the KEN expressed their strong wish to try again. In doing so, it was decided to study first on environmental characteristic in the area and learn from the case with the similar precedent like Penang.

2.7. Steering Committee (SC) meeting

The 4th SC meeting was summoned on 7th March in Surat Thani. The major issue at this meeting was the work plan for 2006 under the 50% reduced budget of SEAFDEC and the procedure of formulation and promulgation of the community based fishery resources management plan. The detailed discussion made in this meeting is described in **Annex 6: Minutes of meeting for the 4th SC meeting**.

2.8. Implementation Coordination Committee (ICC) meeting

The 7th ICC meeting was held on 19th April 2006 in Langkawi. The main issues at the meeting are:

- Progress in zoning arrangement, especially for formulation of fishery management plan,
- TOR for the project mid-term evaluation consultant,
- Designs and locations of ARs and FADs to be installed,
- Establishment of local enforcement unit,
- Follow up socio-economic survey,
- Try out mangrove reforestation.

The detailed description of discussion are shown in **Annex 7: Minutes of 7th ICC meeting**.

3. OUTCOMES

The major outcomes of the project activities during this reporting period are:

Baseline / monitoring surveys

- Regular fish landing data collection practice is continued.

- Regular marine biological survey is continued.
- Monitoring mid-term socio-economic survey was conducted.

Encouragement and extension of locally-based fishery resources management

- The first draft of Fishery Resources Management Plan was formulated and internal consultations were repeated for refining.
- The proposal for allocation of the space for the Crab Bank was put forward to LADA for consideration.

Promotion of local businesses

- Diversification of the products for the women's group was made.
- Two feasible local businesses were identified in the workshop organized by Fish Technology Development Section of DOF.
- The 2nd fish processing yard and the boat repairing yard are being constructed under the auspices of Japanese Grassroots Tsunami Fund.

Enhancement in human resources capability

- Various training courses and workshops were held.
- The Fishery Resources Management Committee was organized as an affiliated organization of KEN to take charge in community fishery resources management activity.

Fishing gear technology development

- It was decided to conduct a follow-up training course in repairing wooden boats with FRP materials.

Rehabilitation and enhancing coastal resources

- 10 sets of ARs were installed by LKIM at the spot located by SEAFDEC/TD.
- Installation of 10 units is kept on hold pending on assurance of its durability from the testing in Chumphon.

Committee meetings

- The 4th SC meeting was held on 7th March 2006.
- The 7th ICC meeting was held on 19th April 2006.

4. MAJOR CONSTRAINTS

The participation in marine biological survey by FRI, Penang was not carried out in April. This issue was discussed at the 7th ICC meeting claiming that it would be a matter of concern in terms of the project sustainability and the collaborative principle. The DOF side promised to take action to ensure FRI's regular participation in the project activity.

The allocation of the Japanese Grassroots Tsunami Fund to the project site for construction of necessary facilities like a fish processing yard and a boat repairing yard was decided early this year, but the design and tender process has been dragged on for a long time. This delay caused adversely the progress of related activities to a great extent. It needs to expedite the matter within DOF.

5. THE WORK PLAN FOR THE NEXT REPORTING PERIOD

The work plan to be executed during the next reporting period from July to December 2006 is listed as follows.

Baseline / monitoring survey

- Continue fish landing data collection
- Analyze and compile the annual data for 2005/2006
- Continue marine biological survey
- Analyze and compile the annual data for 2005/2006

Encouragement and extension of the CBRM concept

- Finalize the fishery resources management plan (FRMP) in the stakeholders' seminar
- Submit the FRMP to DOF for the subsequent promulgation process
- Hold workshop on dissemination of the context the FRMP and zoning arrangement
- Prepare setting-up a crab bank scheme if LADA could allocate the required space

Promotion of fish-based businesses

- Commence production of fish-based products in the newly built processing yard
- Hold a on-site training on new processing technology (IPM/FTDS)
- Promote marketing in association with LADA
- Follow up on-site training on bookkeeping and accounting
- Prepare to set up a grouper cage culture if LADA could allocate the required space.

Enhancement in human resources capability and participation

- Conduct a stakeholder seminar to finalize FRMP
- Conduct a fishers' workshop on dissemination of the context of FRMP
- Hold other various training courses

Fishing gear technology improvement

- hold training course on boat repairing once the boat repairing yard is completed.

Rehabilitation and enhancement in coastal resources

- Study on durability of FEDs with improved design
- Study and formulate appropriate mangrove reforestation plan with DI

Committee meeting

- 8th ICC meeting

6. REPORTS PREPARED

Reports and documents prepared under the project during to this reporting period are listed below.

<u>No.</u>	<u>Title of the report</u>	<u>Name of author</u>	<u>Date of issue</u>
01.	Back-To-Office Report (Langkawi)	Yuttana T.	Feb. 2006
02.	Report on the Fishermen's Workshop on Zoning Arrangement	Saivason K.	Mar. 2006
03.	Report on Marine resources monitoring survey in Langkawi	Penchan L.	Apr. 2006
04.	Report on the 4 th SC Meeting	Sumitra R.	Mar. 2006
05.	Report on the 7 th ICC Meeting	Etoh S.	April 2006
06.	Report on the Workshop for Local Business Development	Krishanansamy A.	June 2006

Annex 1: - **Project Progress Monitoring Sheet for ICRM-PL**

← - - - -> Activity planned
 ← - -> Activity Actual

As of 30 June 2006
 Revision: 2

Activity	2006												Remarks
	1	2	3	4	5	6	7	8	9	10	11	12	
Base line / Monitoring survey													
<u>Fish landing survey at the project site</u>													
1. Regular collection of data	← - - - - ->											Continued activity	
2. Analyze and compile the annual data	← - - - - ->											Data from Aug. 2005	
<u>Marine resources survey</u>													
1. Regular collection of data	← - - - - ->												
2. Analyze and compile the annual data	← - - - - ->											Data from Aug. 2005	
<u>Specific topic survey</u>													
1. Impact survey by introduction of new fishing methods												Cancelled	
2. Analyze and compile the annual data												Cancelled	
3. Impact survey by installation of FEDs/ARs	← - - - - ->												
4. Analyze and compile the annual data	← - - - - ->												
<u>Socio-economic survey</u>													
1. Prepare and conduct survey	← - - - - ->												
2. Analysis and compilation of data	← - - - - ->												
Encourage and extend the CBRM concept													
<u>Zoning arrangement</u>													
1. Finalize the fishery management plan (FMP) in the demarcated zone	← - - - - ->												
2. Submission to DOF for endorsement	← - - - - ->												
3. Approval by the promulgation by Minister	← - - - - ->												
4. Embodiment of zoning arrangement	← - - - - ->											Continued activity	
<u>Local enforcement unit</u>													
1.1. Identify an effective approach for local enforcement	← - - - - ->												
1.2. Take relevant steps for the realization (to be more specified once measures are determined)	← - - - - ->											Pending for the time being	
<u>Crab bank scheme</u>													
1.1. Preparation for establishment of Crab Bank	← - - - - ->												
1.2. Operation of the Crab Bank	← - - - - ->											Continued activity	
Encourage local business													
<u>1. Diversification / standardization of products produced by women's group</u>													
1.1. Study on diversification of products	← - - - - ->											With IPM	
1.2. Training in new processing technologies	← - - - - ->											With IPM	
1.3. Construction of necessary facilities	← - - - - ->											Japanese Tsunami fund	
1.3. Marketing promotion	← - - - - ->											With IPM/LADA	
<u>2. Improvement of group management skills</u>													
2.1. Follow-up training course for book keeping/accounting in use of C/P	← - - - - ->											With LADA	
2.2. Local seminar on women's participation in group activity	← - - - - ->												
<u>3. Expansion of fisheries related business for the community (KEN)</u>													
3.1. Study and identify alternative business opportunity	← - - - - ->											Continued activity	
3.2. Take a relevant step for realization (to be more specified once measurements are determined)	← - - - - ->												

Activity	2006												Remarks	
	1	2	3	4	5	6	7	8	9	10	11	12		
Enhance human resources capacity building and participation														
1. Enhance capacity building for FRMC														
1.1. Stakeholders workshop				↔										
1.2. Fishers workshop on management plan			↔					↔						
2. Restoration of data and information to the community														
2.1. Local seminar on research works done												↔		
2.2. Local seminar on impacts of project activities												↔		
3. Encourage participation to environmental development work														
3.1. Fishers' workshop on environmental developmental work												↔		
3.2. Organize and carry out various volunteer work (to be more specific after having a workshop)													←	Continued activity
Fishing gear technology improvement														
1. Training in improved fishing methods														
1.1. Follow-up training course in boat repairing								↔						
1.2. Follow-up training course in selected fishing gear as required														If and when required
Rehabilitate and enhance coastal resources														
1. Fish Enhancing Devices (FEDs)														
1.1. Installation of FEDs				↔										
1.2. Evaluation on effectiveness and function of FEDs	←													Continued activity
2. Installation of ARs														
2.1. Installation of ARs	↔													By LKIM
2.2. Follow-up marine biological survey														Ref. 1.3.3.
3. Mangrove reforestation														
3.1. Formulate reforestation plan with DID				↔										Drainage & Irrigation Departm
3.2. Implementation of reforestation plan													←	Continued activity
Project evaluation														
1. Mid-term project evaluation														
1.1. Conduct Mid-term project evaluation								↔						
1.2. Report publication												↔		
Committee meeting														
1. Steering Committee (SC)			↔											
2. Implementation Coordination Committee (ICC)			↔		↔			↔				↔		

Annex 2

Report on Marine resources monitoring survey in Langkawi 19 – 21 April 2006

Penchan Laongmanee
24 April 2006

The survey was planned to ensure the sustainability of available marine resources especially around the ARs and FAD/FEDs. The activity included interviewing fishermen for fishing ground, fishing boat and fishing gear information and fish sampling for species composition and length distribution and rendering fishing gear logbooks to the selected fishermen and catch report books to the middlemen. The survey was planned to be carried out in every four months. This is the first survey of year 2006.

Activity 1 Logbook

There were two types of logbook used in the project; fisherman logbook and middle man logbook. A middleman in Kuala Terieng, Mr. Azman Chepa is our enumerator for these two types of information. On April 19, 2006, Mr. Azman Chepa gave us 36 fishermen's logbooks and six middlemen's logbooks. The name of fisherman and data recorded month are as follows while middlemen logbooks are composed of the records of Mr. Azman Chepa and Mr. Tan Bek Yeow in December 2005, January, February, and March 06.

List of fisherman and recorded data month

Name of fisherman	Month
1. Mr. Rojihhan Ishak	Nov 05, Jan 06, Feb 06, Mar 06
2. Mr. Abd. Rahin Nafiah	Nov 05, Jan 06, Feb 06, Mar 06
3. Mr. Sharif Saad	Nov 05, Jan 06, Feb 06, Mar 06
4. Mr. Mazi Abdullah	Nov 05, Jan 06, Feb 06, Mar 06
5. Mr. Mohd. Rasid Din	Nov 05, Jan 06, Feb 06, Mar 06
6. Mr. Abu Hassin Maamin	Nov 05, Jan 06, Feb 06, Mar 06
7. Mr. Lazim Hassin	Dec 05
8. Mr. Azman Chepa	Dec 05, Jan 06, Feb 06, Mar 06
9. Mr. Chepa Bakar	Jan 06, Feb 06, Mar 06
10. Mr. Azmi Mayan	Jan 06, Feb 06
11. Mr. Mahazir Ibrahim	Feb 06, Mar 06

Activity 2: Interview fisherman and fish sampling

Fishermen were interviewed on numbers of fishing gear and period of fishing operation. Interviewing fisherman were carried out by Ms. Sabena Binti Saleh (Fisheries extension officer, Langkawi)

The catch was sampled for the length distribution and average weight. In this survey, fork length were punch for the fork shape tail fish, total length for the others and width for crab. The catch composition was also recorded.

The survey period was during a neap tide, which was not so good condition for shrimp trammel net (main fishing gear of Kuala Terieng) that low catch was observed and a few fishermen went to sea.

Number of questionnaires on fishing gear was shown in table 1. CPUE of each fishing gear that was observed during survey was shown in table 2. Species composition from total sample catch from shrimp trammel net and hand line were shown in fig 1 and 2 respectively. Fig.3 and 4 present length distribution of major catch of shrimp trammel net.

Table 1 Number of questionnaires by fishing gear

Date	No. of questionair	Type of fishing gear			
		Shrimp trammel net	Fish gill net	Crab gill net	Hand line
19-Apr-06	6	4	1	1	
20-Apr-06	5		2	1	2

Table 2 Summary of CPUE by fishing gear

Fishing gear	Average CPUE
Shrimp trammel net (kg/net/trip)	0.41
Crab gill net (kg/net/trip)	0.14
Indo-pacific gillnet (kg/net/hr)	1.24
Mullet gillnet (kg/net/hr)	2.29
Handline (kg/hr)	0.95

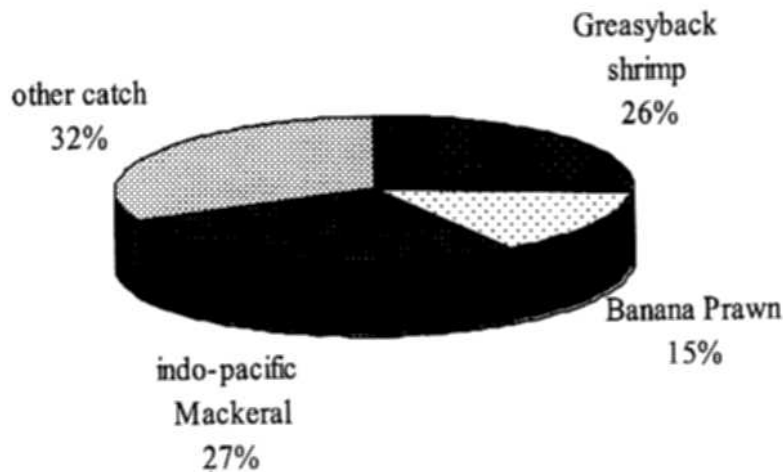


Fig. 1 Species composition of total sample catches from shrimp trammels net

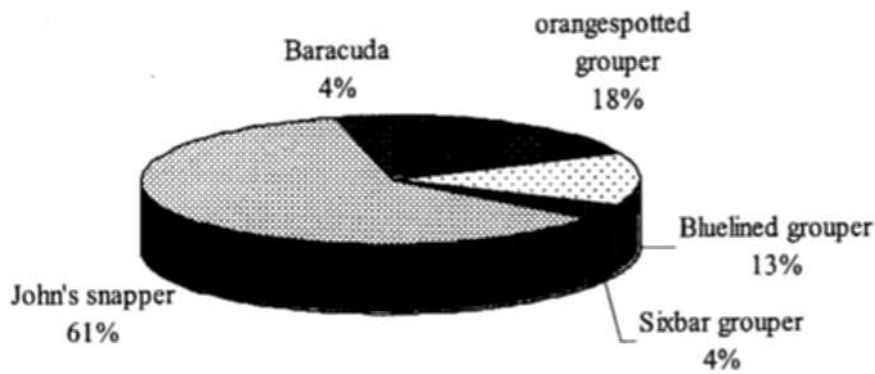


Fig. 2 Species composition of total sample catch from hand line

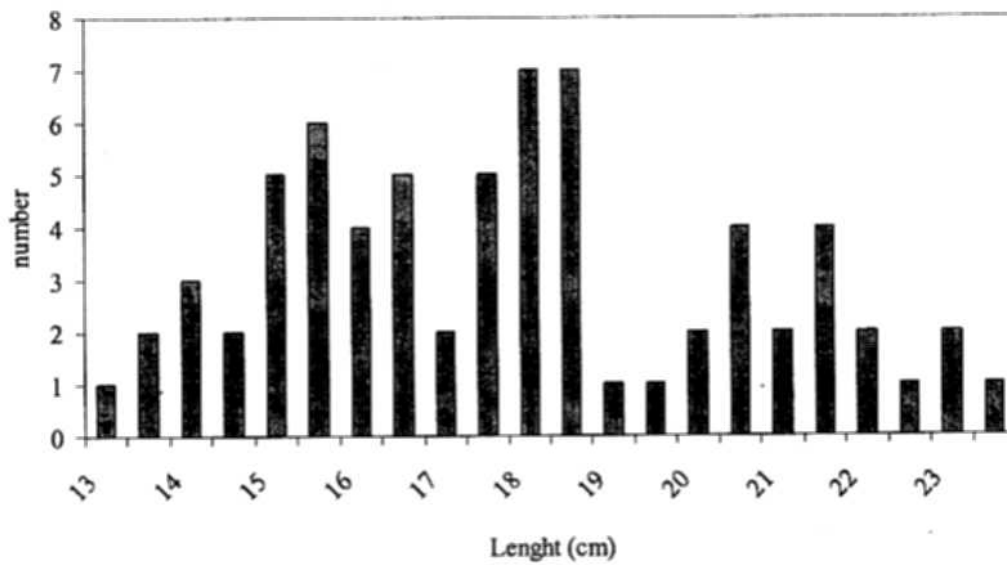


Fig. 3 Length distribution of Banana prawn

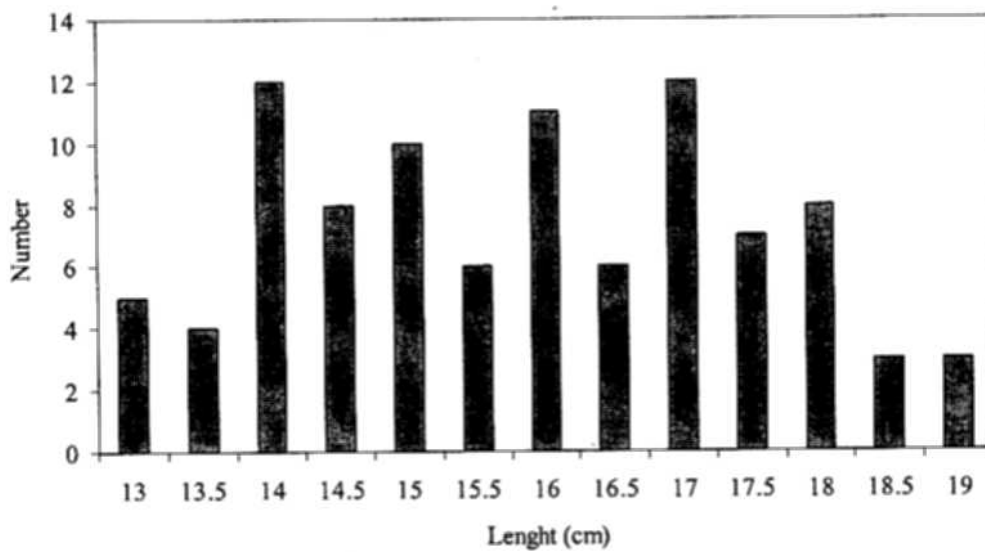


Fig. 4 Length distribution of greasy back shrimp

Note from ICC meeting

During the 7th ICC meeting on April 19, 2006, Mr. Mohamad Shaupi bin Derahman, Director of Planning and National SEAFDEC Coordinator advised landing survey team to contact Ms. Sabena Binti Saleh, Fisheries extension officer, Langkawi for the information of Malaysia general fish landing that was carried out in Langkawi by the fishery officer of Kedah State once a month.

Since that data would represent the status of landing situation in the whole Langkawi Island, not only at Kuala Terrieng, therefore the meeting agreed to use that data for cross checking with the data obtained by the project landing survey team.

On April 20, 2006 Ms. Sabena Binti Saleh contacted to the Kedah State fishery officer to send fax of data sheet form for Malaysia general fish landing survey. The data composed of a catch effort of fisherman in each fishing port, species composition of each fishing gear, beach prices, market prices, total landing by fishing gear and number of fisherman by fishing gear.

Ms. Sabena Binti Saleh will contact to Kedah state fishery officer for data since 2004 for analyzing trend and situation of fishery resource in Langawi during project implementation.



Fig. 5 Catch sorting



Fig. 6 Length and weight measurement

Annex 3

REPORT ON THE FISHERMEN WORKSHOP ON ZONING ARRANGEMENT

Saivason Klinsukhon
27 March 2006

Venue: Meeting room, Wangthai Hotel, Surat Thani
Date: 7 – 9 March 2006

1. Background

An effort to establish a demarcated fishing zone in the project operational area has been made on end and various meetings and consultations with the concerning groups have been made since August 2004, although this movement was once suspended due to the tsunami assault on 26 December 2004. In the wake of these steps taken, the demarcation in the zone where the KEN Kuala Teriang bound to self-regulate has reached to the consensus among the concerning fishers including the neighbouring villages. The new institution to deal with the coastal fishery resources management was formed as “*Jawatankuasa Pengurusan Sumber Perikanan* (Fishery Resources Management Committee - FRMC)” at the internal meeting on 9th July 2005. This FRMC is expected to function as a subordinate institution of KEN and the leading members like the chairman and other committee members were already selected at this meeting.

As the next step to proceed, it was necessary to materialize the conception in consultation with all the authorities concerned on establishment of the community fishing ground (CFG) supported by the Fisheries Management Plan (FMP) and bound to be subsequently approved by the authorities. The 3rd Zoning Arrangement meeting was held in Langkawi on 17 November 2005 to discuss the outline of the CFG and FMP. The outcome derived from this meeting was brought to the DOF for consideration and it was decided to advance the process further.

Hence, the fishermen’s workshop was arranged to discuss in detail the context of the Fisheries Management Plan among the parties concerned in a way of participatory approach by stakeholders and finalize it for submission to the authorities.

2. Objectives

The major objectives in this meeting lay in;

- ① To discuss and finalize the fisheries management plan (FMP)
- ② To define and finalize the location of the demarcated zone for the Community’s Fishing Ground (CFG) on the map

3. Participant

DOF Malaysia

1. Mr. Mohd Shaupi Derahman : Director, Planning, Development and International Division & NC, DOF, Chairman
2. Mr. Abdul Rahman bin Wahab : Fisheries Officer, Planning, Development and International Division & National Project Coordinator, DOF, KL
3. Mr. Wan Muhammad Aznan B Abdullah: Head, Resource Management & Licensing Unit, Kedah State Fisheries Office
4. Mr. Anuar bin Omar : Extension Unit, Kedah State Fisheries Office
5. Mr. Badali bin Hassan : Langkawi District Fisheries Officer
6. Mr. Abdullah Jaafar : Fisheries Officer (Legal Unit), DOF, KL

LKIM (Fisheries Development Authority of Malaysia)

7. Mr. Mukhtar Affandi B Musa : Manager, Marine Fisheries Development Division, Langkawi

KEN

8. Mr. Hj Mansur Bin Man : Deputy Chairman KEN Kuala Teriang
9. Mr. Hj Padzil hj Din : Secretary, KEN Kuala Teriang
10. Mr. Mohamad Saleh : Secretary, KEN Kuala Chenang

SEAFDEC/TD

11. Mr. Seiichi Etoh : Project Leader
12. Dr. Yuttana Theparoonrat : Training Division Head
13. Ms. Sumitra Ruangsivakul : Head, Socio-economic Sec., Research Division
14. Ms. Saivason Klinsukhon : Assistant Researcher, Research Division

4. Time table and Agenda

7 March 2006 (Tuesday)

- | | |
|-------------|---|
| 15.00-15.10 | Opening of the meeting by Director, Planning and International Division |
| 15.10-15.20 | Explanation on the purpose of this workshop and the past movement toward the establishment of Community's Fishing Ground (CFG)- Mr.Rahman |
| 15.20-16.00 | Presentation of the model format of FMP followed by free discussion- Mr.Etoh |
| 16.00-16.50 | Discussion on formulation of the FMP |
| 16.50-17.00 | Coffee break |

8 March 2006 (Wednesday)

- | | |
|-------------|---|
| 08.30-10.30 | Continue discussion on formulation of the FMP |
| 10.30-10.50 | Coffee break |
| 10.50-12.00 | Continue discussion on formulation of the FMP |
| 12.00-14.00 | Lunch break |
| 14.00-16.40 | Drafting the FMP in Bahasa Malay |
| 16.40-17.00 | Coffee break |

9 March 2006 (Thursday)

08.30-10.20	Finalization of the FMP
10.20-10.30	Closing the workshop
10.30-10.40	Coffee break

5. Content of Discussion

1. The chairman welcomed all participants and the meeting was opened. He explained background of fishermen's workshop on the zoning arrangement meeting and invited Mr.Etoh explained the model of the Fisheries Management Plan (FMP).
2. Mr.Etoh explained the model of the Fisheries Management Plan (FMP) citing and comparing with the cases of Japan and Cambodia. The model format of FMP was as follow ;
 - (1) Overall situation :
 - (2) Demography and socio-economics: the information including the total number of population living in the area and fishing community, the total number of household in the area and the fishing community, the total number of male and female, the number KEN member and FRMC member and the primary occupation of people living in this area
 - (3) The demarcated community fishing zone and fishery resources: the location of demarcated community fishing zone where encompasses the areas of installation of FEDs and ARs
 - (4) The fishing force: the information including the classification of the number of fishers and non-members, living in the community and the number of fishers coming from outside the community, the quantity of fishing boats and gear and yearly fish catch
 - (5) The detailed self-regulate fishery management plan: the plan including limitation of fishing gear usage, improvement of the fishing grounds, coastal forest
3. The representative of KEN Kuala Teriang mentioned that the FRMC was established with fishermen in both Kuala Teriang and Kuala Chenang under the both KENs. The FRMC members are automatically KEN members.
4. The member of FRMC are allowed to fish in FADs, FEDs and ARs areas, but non-member FRMC cannot.
5. After discussion between DOF and KEN, the new model of FMP was drafted as follows;
 - (1) The background and justification of development of the CBRM in Langkawi
 - (2) Information of Kuala Teriang and Chenang
 - (3) Vision
 - (4) Objectives
 - (5) Demarcated zone with the map
 - (6) Institute
 - a) The member of committee is representatives from each village (5 villages). The responsibility of the committee member is as follows;
 - To give mandatory resources management in the area
 - To protect the facilities of FEDs and ARs and clarify these locations.
 - To protect the resources and conservation
 - Enforcement
 - b) The responsibility of the DOF is as follows;
 - To support research, training and extension

- To provide assistance in enforcement
 - To provide financial support in resources management function
 - To carry out provide a base line survey to monitor the function of CBRM
 - To provide FEDs & ARs
 - To evaluate the impact
- c) The community responsibility is as follows;
- To formulate the internal law of FRMC
 - To assist government on enforcement
 - To establish eco-tourism
 - To ensure the safety of FEDs & ARs
 - To protect and conserve eco-system
- (7) Required fund: Particulars and sources of supporting fund, the government agencies decide for the fund and technical inputs for FEDs and ARs system.
- (8) The permissible fishing gear in the zone
- Hook a line
 - Trolling
 - Gill net
 - Fish trap (less than 3x8 feet)
- (9) The monitoring measures
- Base line survey
 - Impact environmental study
 - Self monitoring by FRMC
6. The Chairman thanks all participants and told Mr.Etoh the model format of FMP to be translated in English by Mr.Rahman and sent to Mr.Etoh and other members before ICC meeting for consideration and consultation with other relevant agencies.
7. The workshop was closed at 10.40am on 9th March 2006.

Annex 4

Report on the Workshop for Local Business Development

A. Krishanansamy
30th June 2006

A one day workshop on local business development was organized by DOF for the members of Fishermen's Economic Group (KEN) and of Women's Economic Group (KEW) and the following is the report describing contents of discussion and conclusion.

Date : 08 May 2006 (Mon)
Time : 0900 – 1700 hrs.
Venue : Kota Tani Hall, FAMA, Langkawi

Program :

A brainstorming and motivational session was given to all the participants by Mr. Hj. Razali bin Hj. Lajis, Head of Fisheries Technology and Fishermen Communities Section. This was followed by practical work on the two (2) groups headed by a fisheries officer from DOF headquarters for each group on how to prepare and factors to be considered for a business proposal plan which could set an example and be applicable whenever the need arises.

Participants : FEG and WEG members (KEN and KEW)

The men and women's group were divided and given the task to prepare a viable business proposal plan by coming out collectively the expertise field each one has within them. The proposal plan should give due consideration and focus according to the local availability of resources, surroundings and suitability of the present environment.

FEG (Fishermen Economic Group – 12 members) facilitated by Mr. A. Krishanansamy

This men's group came out with one proposal which was prepared collectively and took part actively tabling their proposed plans. Flip charts was used as the media of explanation and almost all participated actively with determination and strong support for their planned project.

The proposed plan was rearing of groupers in fish cages off Langkawi waters. The strength for the group was some of them previously had working experience, received training organized by DOF, experience in business on fisheries related fields, ideal location and the suitability of water parameters, market demand, high price for groupers, availability of fish fries, estimated costing and expected high income to be derived from this project. A step by step from the cost of construction, implementation till one cycle harvest was calculated by this group and tabled.

The cost cutting elements were construction of cages to be done solely by members of this group and labor costs to be partly absorbed and rotated by the members of group.

The main constraints to be faced by this group would be financial assistance, obtaining approval from the relevant authorities on the location (sites). For this they have a plan and

are determined and hopeful to go through support from local politicians. Further inputs such as trainings and technical aids expected from DOF and SEAFDEC and other relevant parties.

On the final note the group reached a common understanding of the effectiveness of group activities to put everyone's ideas collectively in preparing a business proposal accordingly which would be a step forward in future development and enhancing projects and activities benefiting members of the FEG group.

WEG (Women's Economic Group – 8 members) facilitated by Mr. Kasim b. Tawe

This women's group made a business proposal on producing Fish Rolls (spicy fish paste rolls) in Kuala Teriang. Their advantage would be that all types of fish meat can be utilized and could be purchased from traditional fishermen locally, non commercial species at a cheaper rate. Their proposal plan was taken consideration starting from how the processing of fish paste done, costing, labor, market potential, production, selling price and profit margin. This group has also attended a training course on this product organized by DOF.

The group wanted and was very eager to implement the project by themselves with the savings belonging to the group as it would be a low budget program and is expected to take off in the month of July 2006, for a start marketing around Langkawi before penetrating to the mainland markets.

Conclusions:

The head of Fisheries Technology and Fishermen Communities Section, from DOF headquarters closed the event by proposing to the two groups to make every effort to do activities suiting the local conditions to upgrade the economic and social standard. Also he emphasized this one day program must have given them an overview, the confidence and the necessary steps to be considered in order to make any business proposal to be implemented successfully in the future. The DOF, SEAFDEC and other relevant agencies has given much support and inputs and the ball is in the groups hands to further improve and succeed.

Annex 5

BACK-To-Office Report (BTO)
Assist and observe the Installation of Artificial Reefs
in Langkawi Malaysia
20-22 January 2006

Dr. Yuttana Theparoonrat
2nd February 2006

1. Introduction

This BTO was prepared in response to SEAFDEC/TD staffs conducted an Assist and Observe the Installation of Artificial Reefs in Langkawi Malaysia during 20-22 January 2006. This official trip was supported by Project of Integrated Coastal Resources Management in Pulau Langkawi (ICRM-PL), under Japanese Trust Fund 4. Resources Enhancement Program activities, proposed to conduct studies on the impact of artificial reefs (ARs) installation to fisheries resources in the project site in Malaysia. The Malaysian Government by LKIM proposed to install 10 units of ARs in Kuala Teraing, Langkawi, Malaysia on 21 January 2006. The environmental survey for monitoring the effect of ARs to fisheries resources in installation site before ARs installation was conducted by TD during November 2005. In this ARs installation activities, LKIM requested TD to assist on the installation position and procedure. SEAFDEC/TD sent one researchers to participated the installation in collaboration with fisheries officer of DOF and LKIM Malaysia

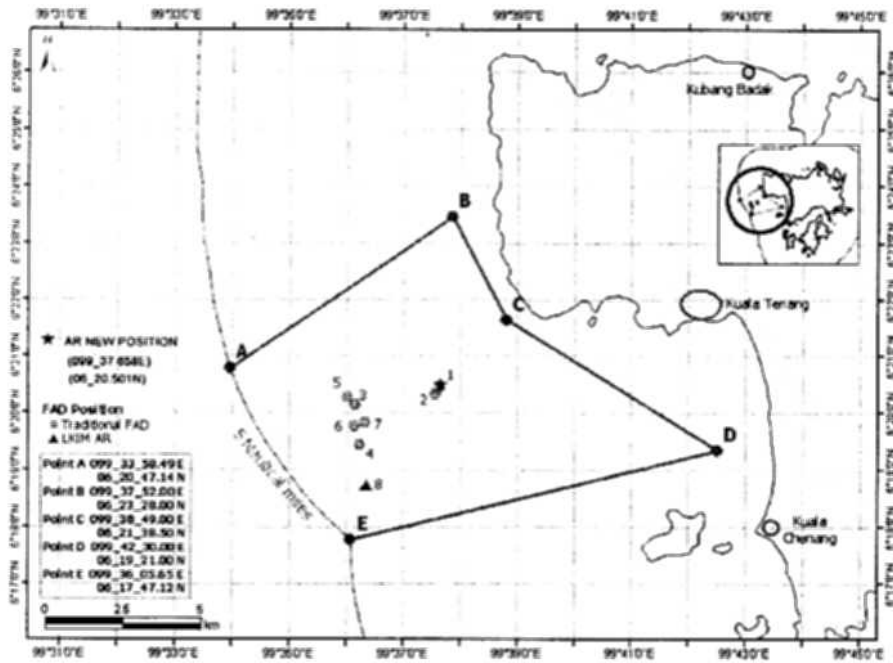
2. Summary of activities

A SEAFDEC/TD staff in collaboration with Fisheries Development Authority of Malaysia (LKIM) was conducted installation of 10 units of ARs on 21 January 2006. The installation position is Latitude 06° 20.501' N, Longitude 99° 37.658' E with water depth of 21.7 m. ARs were carried by an iron barge with a tug boat from construction site to the installation position. The barge was anchored at the nearest position of installation by two concrete blocks, 5 tons each, on fore and aft of barge. Setting of ARs was performed by using hydraulic crane with wire cable laying down ARs on the sea bottom and drivers drove to release the cable hook from ARs. Setting of each ARs conducted at position around the barge as shows in the figure from No. 1 to 10. Each setting point was recorded by the handy GPS. The construction and installation cost of ARs were provided by LKIM, Malaysia.

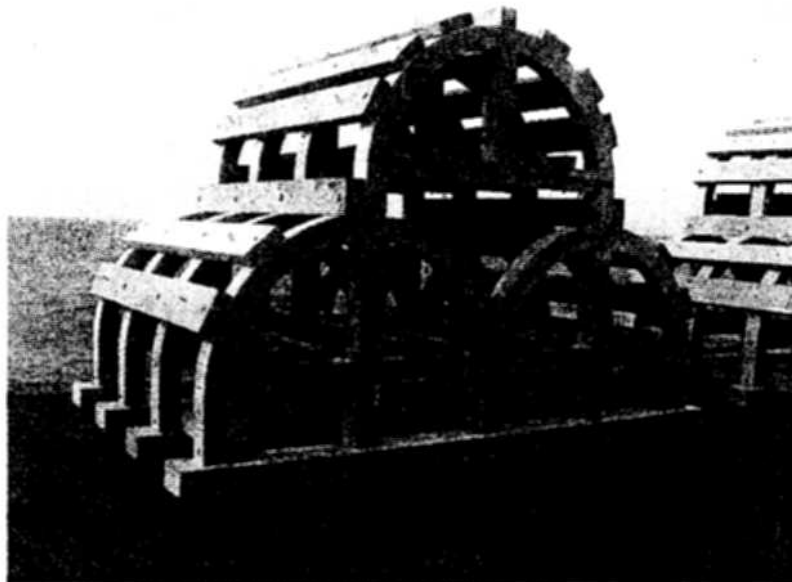
3. Follow-up of activities and suggestion

Since, Resources Enhancement program was conducted in conjunction with the ICRM-PL project under Japanese Trust Fund. One of propose activities for the year 2006 is installation of 10 unit of FED around ARs in Kuala Teraing, Langkawi. To fulfill this activity, the new design of FED should be develop for a better efficiency and suitable for fisheries resources in particular soft bottom area.

After ARs and FEDs installation, the study survey on the impact of ARs and FED to fisheries resources should be conducted in a duration of time series.



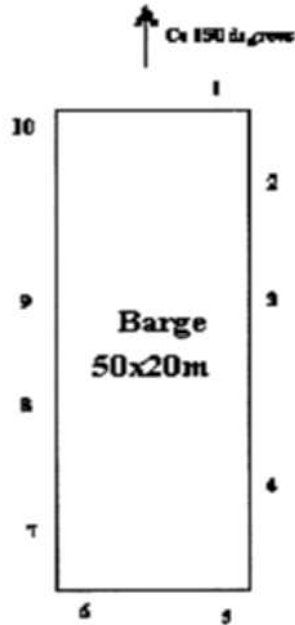
Position (No.1) of Artificial Reefs instalation



Structure of Artificial Reefs

**Position of Artificial Reefs Installed in Langkawi, Malaysia
21 January 2006**

No. 1	Lat.	06° 20'.505 N
	Lon.	099° 37'.634 E
No. 2	Lat.	06° 20'.506 N
	Lon.	099° 37'.642 E
No. 3	Lat.	06° 20'.504 N
	Lon.	099° 37'.647 E
No. 4	Lat.	06° 20'.497 N
	Lon.	099° 37'.652 E
No. 5	Lat.	06° 20'.501 N
	Lon.	099° 37'.661 E
No. 6	Lat.	06° 20'.489 N
	Lon.	099° 37'.656 E
No. 7	Lat.	06° 20'.487 N
	Lon.	099° 37'.647 E
No. 8	Lat.	06° 20'.492 N
	Lon.	099° 37'.645 E
No. 9	Lat.	06° 20'.494 N
	Lon.	099° 37'.640 E
No. 10	Lat.	06° 20'.498 N
	Lon.	099° 37'.661 E



Note: Water depth 21.7 m
Bottom sediment Muddy sand
Barge size 50 x 20 m
Barge direction Co 150°



Annex 6

REPORT ON
THE 4th STEERING COMMITTEE MEETING
INTEGRATED COASTAL RESOURCES MANAGEMENT
IN PULAU LANGKAWI, MALAYSIA (ICRM-PL)
AT WANGTAI HOTEL, SURATTANI, THAILAND
ON 7th MARCH 2006

1. List of Participants:

DOF Malaysia

- | | |
|--------------------------------------|--|
| 1. Mr. Mohd Shaupi Derahman | Director, Planning, Development and International Division & NC, DOF, Putrajaya
<u>Chairman</u> |
| 2. Mr. Abdul Rahman bin Wahab | Fisheries Officer, Planning, Development and International Division & National Project Coordinator, DOF, Putrajaya |
| 3. Mr. Wan Muhammad Aznan B Abdullah | Head, Resource Management & Licensing Unit, Kedah State Fisheries Office |
| 4. Mr. Anuar bin Omar | Extension Unit, Kedah State Fisheries Office |
| 5. Mr. Badeli bin Hassan | Langkawi District Fisheries Officer |
| 6. Mr. Abdullah Jaafar | Fisheries Officer (Legal Unit), DOF, |

LKIM (Fisheries Development Authority of Malaysia)

- | | |
|-------------------------------|--|
| 1. Mr. Mukhtar Affandi B Musa | Manager, Fishermen Association, Langkawi |
|-------------------------------|--|

KEN member

- | | |
|--------------------------|-----------------------------------|
| 1. Mr. Hj Mansur Bin Man | Deputy Chairman KEN Kuala Teriang |
| 2. Mr. Hj Padzil hj Din | Secretary, KEN Kuala Teriang |
| 3. Mr. Mohamad Saleh | Secretary, KEN Kuala Chenang |

DOF Thailand

- | | |
|-----------------------|--|
| 1. Mr. Sayan Aium-rod | Head of Fisheries Provincial, Suratthani |
|-----------------------|--|

SEAFDEC/TD

- | | |
|-----------------------------|--|
| 1. Mr. Seiichi Etoh | Project Leader
<u>Co-Chairman</u> |
| 2. Dr. Yuttana Theparoonrat | Training Division Head |
| 3. Ms. Sumitra Ruangsvakul | Head, Socio-economic Sec., Research Division |
| 4. Ms. Saivason Klinsukol | Assistant Researcher, Research Division |

2. Welcome address:

The Chairman welcomed members of the 4th Steering Committee to Suratthani, Thailand. He first expressed his regret for changing the schedule of this SC meeting a few times due to unavoidable business and causing the participants inconveniences.

He stated that the 9th National Development Plan of Malaysia which began in 2006 placed a particular emphasis on fisheries development and therefore more funds would be possibly allocated compared with those in the previous plan cycle.

He requested all participants to introduce themselves.

3. Adoption of Agenda

The proposed agenda was adopted without amendment.

4. Endorsement of the Minutes of the third Steering Committee meeting

The minutes of the third steering committee meeting of the Integrated Coastal Resources Management- Pulau Langkawi (LBCRM-PL) project was presented by Mr. Abd Rahman and the content was discussed as follows.

- a. The close collaboration work between LKIM and TD has been well maintained through designing and installation of ARs. (1 – a)
- b. The collaboration work between Fisheries Research Institute, Penang, and TD was made through data collection practices, the marine biological survey and the pre-installation and monitoring survey for ARs /FEDs. (1 – c)
- c. No achievement on local business development other than the women's group has been initiated. Some intervention by the extension division of DOF is necessary. (2 – b)
- d. On the other hand, the activity by the women's group has been progressing satisfactorily with intention to diversify the product lines to minced fish meat product and expansion of the marketing channels. (2 – e)
- e. Progress on realization of CBRM approach with zoning has been made with a series of fishermen's consultation and creation of Kuala Teriang Fishery Resources Management Committee (FRMC). (3 – b)

After discussion on the issues as above, the minutes of 3rd SC meeting was endorsed.

5. Endorsement of the project progress report for 2005

The achievement of activities in 2005 was presented by Mr. Etoh consonant with the two biannual project progress reports.

- a. The women's activity has been progressing and the technical as well as financial support to them is evident. An attempt to diversify their products is under way with the financial injection by the Japanese fund. Also, an assistance in marketing promotion of their products has been continued by DOF and IPM.
- b. The training in bookkeeping and accounting system in use of a computer was conducted in January 2006.
- c. Delayed installation of ARs within the 2005's budget was resumed in January 2006 at the cost of RM 200,000 by LKIM. In addition, 5 units of confiscated fishing vessel were sunk as ARs in 2005. One more is to be sunk in 2006. The representative from

LKIM explained that the total cost of ARs being installed so far reached to around RM 550,000.

After discussion on issues as above, the biannual project progress reports covering activities in 2005 are endorsed by the meeting.

6. Endorsement of the work plan for 2006

The proposed work plan was presented by Mr. Etoh in line with the tentative work schedule for 2006 and the discussion was followed. Prior to describing the detailed work plan, Mr. Etoh expressed his concern about the reduction of the project operational fund in the SEAFDEC side by almost 50%, which would consequently lead to the downsizing in project operation. Mr. Shaupi stated that it may not be so much pessimistic as the Japanese Grassroots Tsunami Fund would be eventually available at about USD 55,760 equivalent to RM 211,683 and also the DOF contribution to the project would possibly increase in this year, which could offset the SEAFDEC budget reduction to some extent.

- a. Numbers of technical issues were raised in the meeting and a suggestion was made that it would be more appropriate to discuss such matters in the ICC meeting with participation of relevant officers. The meeting agreed to it and the tentative date of the 7th ICC meeting was fixed on 4th April 2006.
- b. The component of SRI-4 involved in the activity of resources enhancement and rehabilitation in the project may not be continued due to the budgetary constraint within SEAFDEC. If so the case, an arrangement should be so made as to disburse the necessary cost from the TF-4 budget of the project in case of any essential activity be made in relation to resources enhancement.
- c. The representative of KEN stated that a plan to construct a boat repairing yard was approved by the District Fisheries Office contributing RM 20,000. This yard is to employ the technology introduced by SEAFDEC/TD through the training course in 2005; i.e. repairing wooden boats with FRP material. Therefore, he proposed the meeting for this advanced technology training upon commencement of the operation. Mr. Etoh responded it positively although it would be the matter subject to the fund available.
- d. The concept of crab bank could not be materialized as scheduled in 2005 primarily due to the fact that the LADA was reluctant to impart a necessary space for installation of cages to the KEN. However, the representative of KEN stated that they were still keen on this scheme to be initiated in 2006. Mr. Etoh suggested reconsideration on the approach in a way that was prevailing in Japan without cages and preparation of a relevant work plan by the 7th ICC meeting.
- e. A seminar on women's group activity which was planned to take place in 2005 could not be organized as the situation was not matured as expected. The meeting agreed to organize such a seminar in 2006 within the level of Pulau Langkawi to create a women's activity network in the island and exchange information.
- f. Mr. Abd Rahman stated that the project should exert more efforts in Public Relation product with producing publications. Mr. Shaupi supported the comment saying that such publication would increase awareness in the department and enhance SEAFDEC/TD's visibility in terms of project's accomplishment and added that the DOF's internal fund and personnel could be utilized while SEAFDEC/TD to assist in

preparing the materials. It is envisaged that some brochure underlining the project progress would be prepared in 2006 for distribution.

- g. With regard to affixing the net cutter device to the newly constructing FEDs, the meeting approved to it to protect the illegal invasion of trawlers.
- h. Mr. Shaupi stated that the responsibility of enforcement function was transferred to the newly organized agency called "Maritime Enforcement Agency" under the Prime Minister's Office and the transferring of authorities was under process. Under these situations, an approach to establish a local enforcement unit should be further discussed at length at the forthcoming ICC meeting and clarified.
- i. Mr. Shaupi stressed the need to look into the local business development for not only the women's group but also KEN and the Extension Division of the Kedah State Fisheries Office should take a leading role in identifying and promoting this business development. The State Extension Officer agreed to investigate this matter and report the result at the forthcoming ICC meeting.
- j. Mr. Abd_Rahman also stated that more vital contribution by the state fisheries office into the project operation was called for especially in the activities of local business development and establishment of a local enforcement unit.
- k. Mr. Shaupi suggested the meeting that the monitoring socio-economic survey should be carried out partly in relation to embodiment of the community-based coastal resources management plan toward the end of 2006 and partly for the mid-term project evaluation to be conducted in August 2006. The meeting endorsed the suggestion.

In the wake of discussion made as above, the proposed work plan is endorsed by the meeting. Mr. Etoh prepares the revised version of the work plan as the "Revision 2" incorporating the content of discussion and distributes it to all participants soonest.

7. Closing

Mr. Shaupi thanked all participants for their valuable contribution and constructive comments and wished the participants more fruitful contribution to the Fishermen Workshop to be held in the afternoon onward.

Drafted by: Ms. Sumitra Ruangsivakul (10 March 2006)
Endorsed by: Mr. Sei Etoh (10 March 2006)
Mr. Abdul Rahman bin Wahab (13 March 2006)

Annex 7

Minutes of the 7th Project Implementation and Coordination Committee (ICC) Meeting on Intergrated Coastal Resource Management - Pulau Langkawi (ICRM-PL)

1. **Date** : 19 April 2006
2. **Venue** : Meeting room, The City Bayview Hotel, Langkawi
3. **Participants** :

DOF Malaysia

- 1) Mr. Mohd Shaupi Derahman Director, Planning, Development and International Division & NC, DOF, KL
- 2) Mr. Abd. Rahman Abd. Wahab Fisheries Officer, Planning Development and (Chairperson) International Division, DOF, KL
- 3) Mr. Haji Razali bin Lajis Senior Fisheries Officer, Extension Division, DOF, KL
- 4) Mr. Anuar Salam Sulaiman IPM, Terengganu
- 5) Mr. Wan Muhammad Asnan Fisheries Officer, State of Kedah
- 6) Mr. Badeli Hassan District Fisheries Officer, Langkawi
- 7) Ms. Haryati Abd. Wahab Fisheries Officer, Resources Management and Licensing Division, DOF, KL
- 8) Ms. Sabidah Salleh Fisheries Officer, Langkawi

LADA

- 9) Mr. Mohd Nasir A Hamid

LKIM

- 10) Mr. Sawahid Shamsuddin LKIM Office, KL

KEN, Kuala Teriang

- 11) Mr. Mahadir B Ibrahim Chairman of KEN
- 12) Mr. Hj. Pazil B Hj. Din Secretary of KEN
- 13) Ms. Che Embon BT Saad Chairman of women's group
- 14) Ms. Mahani BT Masor Secretary of women's group
- 15) Ms. Ku Faezah Bt Ku Bulat Ken's member
- 16) Ms. Sharina Abdul Halim Intern Student

SEAFDEC/TD

- 17) Mr. Seiichi Etoh Project Leader
- 18) Ms. Sumitra Ruangsvakul Section Head, Socio-economic Section, Res. Division
- 19) Ms. Penchan Laongmanee Head, Spatial Information Technology Unit

4. Welcome address

The chairperson opened the meeting by welcoming members of the 7th ICC meeting. He also introduced all 19 participants as some of them were new to each other. He further briefed the meeting on the features of the 9th 5-year National Development Plan just started in 2006, which allowed the agriculture sector to expand its activity with the budget doubling the amount of the previous term. He further stated that the ICRM-PL project was highlighted as a pilot project to test the practical applicability of the CBRM concept in Malaysia. With the tangible outcome of the project the DOF envisaged expanding similar projects to other parts of the country. As such, he added, this project has been placed on a special priority.

5. Adoption of agenda

The proposed agenda in the Prospectus of the 7th ICC meeting was adopted as follows.

09.00 – 09.10	Opening of the meeting Agenda 1: Adoption of the Agenda
09.10 – 09.50	Agenda 2: Endorsement of the minutes of the 6 th ICC meeting
09.50 – 10.20	Agenda 3: Description of project activities during the last 3 months (Each party)
10.20 – 10.30	Agenda 4: Reporting the current status of rehabilitation from the tsunami disaster (Head of District Fisheries Office)
10.30 – 10.50	Coffee break
10.50 – 11.10	Agenda 5: Discussion on progress in zoning arrangement and the next step to proceed
11.10 – 11.40	Agenda 6: Discussion on the establishment of crab bank
11.40 – 12.20	Agenda 7: Discussion on design and location for installation of ARs and/or FEDs
12.20 – 14.20	Lunch break
14.20 – 14.50	Agenda 8: Discussion on progress in local business development by the women's group and KEN
14.50 – 15.10	Agenda 9: Discussion on progress in establishment and function of the local enforcement unit (LEU)
15.10 – 15.30	Agenda 10: Discussion on conducting the socio-economic survey in relation to the newly introduced zoning
15.30 – 15.50	Agenda 11: Discussion on TOR for the mid-term project evaluation
15.50 – 16.10	Agenda 12: Discussion on any other issues
16.10 – 16.30	Agenda 13: Summarizing the immediate future workplan (TD Project Leader)
16.30 – 16.40	Closing the meeting

6. Contents of discussion

6.1. Agenda 1: Adoption of the Agenda

The Chairman asked the meeting for any amendment or addition necessary on the proposed Agenda. The meeting unanimously endorsed the originally proposed Agenda.

6.2. Agenda 2: Endorsement of the Minutes of the 6th ICC meeting

The Minutes of the 6th ICC meeting was endorsed with the following comments and discussion.

The serial number of the ICC meetings

- a. Mr. Abd Rahman raised a question to clarify an inconsistency in the serial number of ICC meeting; i.e. the previous one was the 2nd while the one for this time is placed as the 7th. Mr. Etoh explained that a serial number of ICC meeting was customarily placed from the 1st every year unlike the one in SC meeting which had a consecutive number from the beginning. However, it caused some confusion in expression of the timing in

reports and therefore, the numbering of the ICC meetings would adopt the consecutive number. So, the next one will be the 8th ICC meeting.

ARs and FEDs

- b. FEDs equipped with rope-cutters was further discussed in the Fishermen's workshop in November, 2005 and it was positively stressed by the fishermen again. Therefore, the new FEDs to be installed in 2006 will equip with rope-cutters.

Data collection

- c. Mr. Etoh expressed his concern about the absence of researcher from FRI, Penang, in view of the data collection was carried out jointly by the SEAFDEC/TD and FRI. The chairman explained that they were fully occupied in other urgent works in Penang and could not manage to participate the meeting this time. However, he would ensure their participation next time.
- d. Ms. Penchan mentioned that the DOF had conducted regular fish landing surveys in Langkawi as an integral part of the countrywide fishery data collection, and exchange of such data would be useful for cross checking and avoiding duplication of efforts. The District Fisheries Officer promised to coordinate both activities.

Local business

- e. Mr. Etoh raised a question at the meeting regarding the present status of progress in construction of a fish processing yard for the Women's Group (KEW) which was to be contributed by the Japanese Grassroots Grant Aid for Tsunami Disaster (JGGA-TD). Mr. Razali replied that an amount of RM49,000 and 23,000 was earmarked respectively for construction of the building and procurement of necessary processing equipment; the design of the fish processing yard was almost completed and awaiting the tender process.
- f. Mr. Shaupi suggested that a workshop to be held for agencies involved in the local business development and to discuss the future cottage-scale business orientation for KEN Kuala Teriang and to formulate a feasible business plan. After consultation among concerning parties, it was decided to hold a workshop on 8th May 2006 in Langkawi, including all concerning parties like DOF (especially Fisheries Technology and Community Section), Kedah Fisheries Office, IPM, LADA, KEN, JKKK, SEAFDEC/TD etc. The DOF will make the arrangement for it and SEAFDEC/TD will send a responsible officer to attend.
- g. The sign board for the fish processing yard was put up in December 2005 by SEAFDEC/TD. The sign board for the community center damaged by the tsunami disaster was also replaced.

6.3. Agenda 3: Description of the project activity during the last seven months

Mr. Etoh reported the following highlights of the project progress during the last seven months since the 6st ICC meeting.

Monitoring survey

- a. The fish landing survey and marine biological survey were resumed in August 2005 and regularized since then. The data collected in 2004 were analyzed and compiled in a report of pending publication.
- b. The survey on impact of installation of ARs and FEDs was conducted in November 2005. A preliminary report was being prepared pending the compilation of the full report.

Encourage and extend the CBRM concept

- c. Preparation for the draft of fisheries management plan was making a rapid progress after organizing the fishermen's workshop in Surat Thani in March 2006.
- d. The site inspection of the local enforcement unit was made by the leading members of KEN in Penang in August 2005. Thereafter, consideration and negotiations were being made in a bid to organize the local enforcement unit in Kuala Terian.
- e. After the study tour held in Chumphon, Thailand, an effort to establish a crab bank was made, especially for acquiring a space for the cages with LADA.

Encourage local business

- f. The training course on processing of seasoned/dried fish was conducted for KEW in September 2005.
- g. The designing of the fish processing yard to be financed by JGGA-TD has been under way.
- h. The training in bookkeeping and accounting for KEW using P/C was conducted in April 2006.

Human resources capacity building

- i. The training course on CBRM concept for the leading members of KEN was held in August 2005.
- j. The fishermen's workshop was conducted in November 2005 on reviewing the outcome of the activity upon introduction of the new or improved fishing gear.
- k. The mangrove reforestation activity took place in December 2005 with assistance of the Drainage and Irrigation Department (DID).

Fishing gear technology improvement

- l. The fishermen's workshop on reviewing the activity with introduced new or improved fishing gear was held in November 2005. In this meeting, it was decided to place this activity at lower priority and activity be suspended except for a follow-up training course for the boat repairing with FPR material.

Rehabilitate and enhance coastal resources

- m. The monitoring of marine biological impact survey for FEDs/ARS was conducted in November 2005.
- n. Installation of 10 sets of ARs was made by LKIM in January 2006.
- o. Mangrove reforestation was attempted in December, but without success.

Project management meeting

- p. The 6th Project Implementation Committee (IC) meeting was held in August 2005.
- q. The 4th Steering Committee (SC) meeting was summoned in March 2006.

6.4. Agenda 4: Reporting the current status of rehabilitation from the tsunami disaster

Mr. Badeli reported the meeting on the current status of rehabilitation from the tsunami disaster with thanks to kind dedications to rehabilitation by various agencies, NGOs and donors. The fishing activity had been more or less resumed, though they were some pending construction works yet to be completed. It can now be regarded that the people's life in the affected community is back to normal after one year's struggle through rehabilitation. The fund from JGGA-TD amounting to RM 211,000 is earmarked for reconstruction of the ruined structures and procurement for necessary equipment for rehabilitation, which has been processed.

6.5. Agenda 5: Discussion on progress in zoning arrangement and the next step to proceed

The advance draft of "Fisheries Resources Management Plan" prepared for the fishermen's workshop in Surat Thani on 7-9 March, 2006 was further improved by the working group of Thai DOF comprising legal officer. The refined version was also translated into English and

presented for comments at the meeting by Mr. Abd Rahman. The revised draft plan should incorporate the various comments made in this meeting, e.g. Economic Planning Unit of DOF should be a member of Implementation Coordination Committee; legitimacy of the customary law included in the provision of "punishment" should be carefully studied with the legal officer, etc. The second draft will be finalized by the working group and distributed to all parties concerned for comments. With such various views and comments, a workshop on fisheries resources management plan will be organized in Langkawi with participation by all parties concerned sometime in July 2006.

6.6. Agenda 6: Discussion on establishment of a Crab Bank

Mr. Etoh described the possible application of crab bank, citing three different systems in Chumphon and Bang Saphan in Thailand and Akashi in Japan. Each has both advantages and disadvantages. After discussion, the meeting agreed to raise this issue for consultation at the workshop on fishery resources management plan in July. To do that, Mr. Etoh will prepare appropriate discussion materials.

6.7. Agenda 7: Discussion on designs and locations of installation of ARs and/or FEDs (FADs)

Mr. Etoh described the future plan for the installation of ARs and FEDs which was prepared by Dr. Yuttana, SEAFDEC/TD. (Mr. Shaupi stated that the terminology of FED was not compatible with the one defined in the Malaysian Fisheries Law but was the one of FADs; so it should be used from now on). Mr. Etoh further pointed out the ideal locations for installation of ARs and FADs, both of them should be installed in combination. He further stated that the project planned to install 10 units of FAD in 2006 in line with the work plan. The Chairman of KEN suggested that as the monsoon prevails from May to October in this area the installation should not be made during this period. The meeting noted the suggestion.

6.8. Agenda 8: Discussion on progress in local business development by the KEW and KEN

The Chairman stated that KEN had so far deployed the business in retailing ice and lubricant, and the operation of the mechanical workshop. The proposal to manage fish cage culture could not be realized because it lacks of required space in Pantai Kok where was controlled by LADA. Mr. Razali suggested that this issue should be discussed thoroughly in the forthcoming local business workshop in May. The suggestion was noted.

6.9. Agenda 9: Discussion on progress in establishment and functioning of local enforcement unit

Mr. Shaupi informed that the role of maritime enforcement has been shifted to a newly established government body, the National Maritime Enforcement Agency, making a slight adjustment in terms of jurisdiction and coverage. The DOF remains committed to provide services to coastal communities. The local enforcement station, like the one in Penang, should be created in Kuala Teriang in the near future; a small patrol boat would be constructed soon. In the meantime the old boat assigned to Kedah would be transferred as an interim measure, he further stated.

6.10. Agenda 10: Discussion on conducting the socio-economic survey

Mr. Etoh stated that as agreed in the last SC meeting, the socio-economic survey should be conducted in August before the mid-term evaluation. He suggested that it should be jointly conducted with DOF and SEAFDEC/TD in later May or early June using the same methodology as the one conducted in the baseline survey in October 2003. The suggestion was noted.

6.11. Agenda 11: Discussion on TOR for the mid-term project evaluation

Mr. Etoh explained the draft TOR for an out-sourced consultant to carry the mid-term project evaluation in August 2006. It was pointed out that the budget was so limited that it would be difficult to engage any university professor in KL in this assignment as the logistic and administration fees would be costly. After deliberations, the meeting suggested Mr. Etoh to contact and sound out a possibility of having the WWF to assign the job to one socio-economist in Langkawi. Mr. Etoh promised to do so.

6.12. Agenda 12: Discussion on any other issues

The secretary of KEN raised a question on mud crab culture. The meeting suggested that this matter should be thoroughly discussed in the forthcoming local business meeting in May. Mr. Shaupi raised a question for the next ICC meeting. But, Mr. Etoh suggested that it should be taken place in September after completion of the mid-term evaluation. The meeting noted the suggestion but commented that it should be held before the on-set of Ramadan. Mr. Shaupi suggested that the next one should be taken place in Hat Yai with the consideration of many factors. Mr. Etoh mentioned that the ICC meeting should be held at the project site; however, it could be considered as a special case provided that the budget permits.

6.13. Agenda 13: Summarizing the immediate future work

Mr. Etoh reported that the immediate future work refers to the 2006 Project Workplan.. Basically, all the activities are to be carried out in line with this schedule as discussed at length at the meeting, except for the following activities.

- Installation of the FADs in October
- 8th ICC meeting in early September
- Training course on boat repair in August after completion of the boat yard, which is to be constructed under JGGAT-TD

7. Closing

The Chairperson thanked all participants for their valuable contributions and constructive comments, and wished the forthcoming workshop on local business in Langkawi all the success.

Drafted by: Mr. Sei Etoh (21st April 2006)
Endorsed by: Mr. Abdul Rahman bin Wahab (13th June 2006)