

5. Conclusion and Recommendations

The Lao-Japan Joint Mid-term Review Team has conducted a series of field visits and interviews with relevant people in the target areas, and collected information necessary for the review work. According to the results of the study, the Project has been implemented as planned with a good collaboration between Japanese experts and Lao C/P officers. If the Project Team continues to undertake the activities in the same manner, it can be expected that the Project will bring about good results. However, the Project is still at the initial stage and achievement so far is not enough to realize a large scale impact on the villagers' livelihood in the target areas. Therefore, it is expected that the Project team continue work together in order to materialize the set goal. In this context, the Joint-Review Team is going to make the following recommendations to improve the performance of the Project.

(1) Restructuring of Project Management System

The current Project Management Team (PMT) consists of those counterpart staff assigned from Champasak PAFO and the Japanese experts, who essentially implement the sub-projects. On the other hand, involvement of PAFO of target provinces in the project management especially in the sub-project formulation, implementation and monitoring has been minimal. It is therefore recommended to give roles and responsibility to all the 4 target provinces in the project management. For this, a new project management system should be established so that each and every target province can manage directly field activities with enhanced sense of ownership. It is specifically suggested that each target province has own project management office in PAFO, and the Project establish a support office in Pakse to engage in the coordination with PAFO and DAFO, procurement of equipment/materials and accounting. A technical unit is to be established in DLF Vientiane to assist PAFO and DAFO in the field activities by sending experts from DLF, MAF, third countries and Japan.

(2) Enhancement of Local Development Capacity

In the initial stage of the Project implementation, it is found that the Japanese experts and the Laotian counterparts based in the PMT have taken all the initiative of field activities. As a result, local development capacity of DAFO and PAFO as project implementers has not necessarily been enhanced at a satisfactory level but they have been trained on technical matters only, being in a position only to assist the PMT. Therefore, it is recommended that the Project take into serious consideration to enhance local initiative and to develop capacity of DAFO and PAFO in the planning, implementation and monitoring of field activities.

(3) Improvement of reporting system

It was difficult for the review team to obtain the progress information of the Project activities in each province or each district. Even the PMT has not collected and well organized such information. This was because an effective reporting system had not been established in the project implementation structure yet. Most activities were carried out sub-project by sub-project without developing a good mechanism to share the information on the progress of activities of each sub-project. In order to improve the performance and

realize better results on the livelihood in the target areas, it is recommended that the Project improve and strengthen the reporting system to collect and organize sufficient information regarding provincial-wise, district-wise, and cluster-wise activities from target provinces and districts. In realizing this, more involvement of PAFO and DAFO staff also should be important.

(4) Cluster Development rather than Village Development

All the 8 sub-projects of the initial stage have been implemented on the village level by selecting only one focal village among a number of villages existing in a target cluster. Further, after development of a village it is expected to promote village-to-village extension without creating sustainable mechanism. The Project seems to take conventional village development approach which has limitations to address a large number of villages such as budgetary and personnel constraints. The Project should go back to its original concept of cluster-based development, a main thrust of the Lao Government.

(5) Development of Core Farmers and TSC

In the context of cluster-based development, it should be reminded that service providers are expected to promote agricultural extension. Those service providers include TSC, DAFO, community-based organizations (CBO), core farmers, private enterprises and NGOs. The Project is expected to focus on the development of core farmers among others. In this context, it is highly recommended to concentrate on the core farmer development where farmer-to-farmer extension can work. On the other hand, it should be the TSC that plays central roles in the extension for those clusters where farmer-to-farmer may not work. Therefore, the Project should take different approaches, farmer-to-farmer or TSC development, depending on the conditions of target clusters.

(6) Packaging of Appropriate Technologies

According to the project documents, appropriate technologies have been identified. Based on those technologies, the sub-projects have been formulated and implemented. However, those appropriate technologies seem to be not well defined and standardized. It is recommended to package appropriate technologies in livestock and aquaculture which are to be promoted in the extension activities. For this, it is further recommended to prepare manuals on each package of appropriate technologies. Note that it may not be required to identify specific integrated farming methods and to make such manuals since farmers practice integrated farming on their own and what is expected for the Project is to introduce appropriate technologies in each field of intervention.

(End)

List of ANNEX

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Annex 1 Schedule of Mid-term Review for LIPS

Period: December 9th – 26th, 2012 (18 days)

Date	Time	Activities	Stay
Dec. 09 (Sun)		【Evaluation Analysis】 Narita ⇒ Hanoi ⇒ Vientiane	VTE
10 (Mon)	AM PM	▪ Meeting with Chief Adviser; Courtesy Call on DLF ▪ Meeting with National Coordinator; Meeting at DOP	VTE
11 (Tue)	AM PM	▪ Vientiane → Pakse (by air); Meeting with Project Experts ▪ Pakse → Attapeu; Meeting with Attapeu PAFO	ATP
12 (Wed)	AM PM	▪ Attapeu → Phuvong; Meeting with Phuvong DAFO ▪ Site Observation: Somboun Cluster (Livestock); Phuvong → Attapeu	ATP
13 (Thu)	AM PM	▪ Attapeu→Sansay; Meeting with Sansay DAFO ▪ Site Observation: Nampa Cluster (Aquaculture); Sansay→Sekong (Laman)	SK
14 (Fri)	AM PM	▪ Meeting with Sekong PAFO; Meeting with Laman DAFO ▪ Site Observation: Phon Cluster (Aquaculture)	SK
15 (Sa)		Analyzing the collected information and preparing the draft of the joint evaluation report	SK
16 (Sun)	All day	【Team Leader】 Narita ⇒ Hanoi ⇒ Vientiane 【Evaluation Analysis】 Analyzing the collected information and preparing the draft of the joint evaluation report	VTE SK
17 (Mon)	AM PM AM PM	【Team Leader】 9:00 Courtesy Call on JICA Laos Office ▪ Meeting with Chief Adviser; Meeting with DLF and Lao evaluation members 【Evaluation Analysis】 Sekong (Laman) → Tateng; Meeting with Tateng DAFO ▪ Site Observation: Kapeu Cluster (Aquaculture); Tateng → Saravan	VTE SRV
18 (Tue)	AM AM PM	【Team Leader, Evaluation Planning and Lao members】 Vientiane → Pakse (by air) ▪ Pakse → Laongam (joining Evaluation Analysis) 【Evaluation Analysis】 Meeting with Saravan PAFO ▪ Saravan → Laongam (joining Team Leader and Evaluation Planning) 【After joining】 ▪ Meeting with Laongam DAFO ;Site Observation: Nabon Cluster (Aquaculture) ▪ Laongam → Saravan	SRV
19 (Wed)	AM PM	▪ Saravan → Taoy; Meeting with Taoy DAFO ▪ Site Observation: Doup Cluster (Integrated Agriculture) ▪ Taoy → Pakse	PKS
20 (Thu)	AM PM	▪ Pakse → Sukhuma; Meeting with Sukhuma DAFO ▪ Site Observation: Boungkeo Cluster (Aquaculture) ▪ Site Observation: Banhieng Cluster (Livestock) ▪ Sukhuma → Pakse	PKS
21 (Fri)	AM PM	▪ Meeting with Champasak PAFO; Interview with Project C/Ps ▪ Pakse → Vientiane	VTE
22 (Sat)	AM PM	▪ Analyzing the collected information and preparing the draft of the joint evaluation report ▪ Team Meeting	VTE
23 (Sun)	All day	▪ Drafting Joint Mid-term Evaluation Report	VTE
24 (Mon)	AM PM	▪ Discussion about Joint Mid-term Evaluation Report (draft) ▪ Modification of Joint Mid-term Evaluation Report	VTE
25 (Tue)	All day	▪ Confirmation of Joint Mid-term Evaluation Report ▪ Discussion and Modification of Minutes of Meeting	VTE
26 (Wed)	AM PM	▪ Signing of Minutes of Meeting ▪ Reporting to Embassy of Japan; Reporting to JICA Laos Office 【Team Leader & Evaluation Analysis】 Vientiane ⇒ Bangkok	

Annex 2 Project Design Matrix (PDM) for Mid-term Review (Ver. 1)

Project Title:	Livelihood Improvement Project for Southern Mountainous and Plateau Areas (LIPS) in Lao People's Democratic Republic
Project Target Area:	4 Provinces – Attapeu, Champasak, Salawan and Sekong
Period:	5 years from 2010 to 2015
Date Modified:	May 2011

Project Summary	Objectively Verifiable Indicator	Means of Verification	Important Assumption
Overall Goal: Villagers' livelihood is improved in 4 southern provinces through extension of appropriate technology.	<ul style="list-style-type: none"> Agricultural Production of villagers is increased in 4 southern provinces. Rice, fish, and meat consumption of villagers is increased in 4 southern provinces. Average income of villagers is increased in 4 southern provinces. 	<ul style="list-style-type: none"> Agricultural statistical yearbook Survey result on expenditure and consumption of household (LECS) 	
Project Purpose: Villagers' livelihood is improved in target clusters through extension of appropriate technology.	<ul style="list-style-type: none"> Agricultural production of participant villagers is increased in target clusters. Rice, fish, and meat consumption of participant villagers is increased in target clusters. Average income of participant villagers is increased in target clusters. 	<ul style="list-style-type: none"> Results of end line survey Officially endorsed document 	Cluster development policy is continuously promoted by GOL.
Expected Output: 1 Necessary support system is prepared for target cluster development.	<ul style="list-style-type: none"> More than 12 staff from PAFO, DAFO, and TSC receive training for cluster development and appropriate technology and pass training examination. Criteria to select core farmers and groups are developed. Appropriate technologies are listed up in all target clusters. 	<ul style="list-style-type: none"> Monitoring report, the result of training examination Project reports 	<ul style="list-style-type: none"> Severe natural disaster and climate conditions do not occur in the target areas. Serious disease for livestock and fish do not spread in the target areas. The price of agricultural product does not decline drastically.
2 Introduction and extension of appropriate technology are implemented in initial clusters.	<ul style="list-style-type: none"> More than 16 core farmers adopt appropriate technology in initial clusters. More than 160 farmers receive technical transfer from core farmers in initial clusters. 	<ul style="list-style-type: none"> Project reports 	
3 Lessons and good practices in initial clusters are applied to other target clusters.	<ul style="list-style-type: none"> More than 16 core farmers adopt appropriate technology in target expansion clusters. More than 160 farmers receive technical transfer from core farmers in target expansion clusters. 	<ul style="list-style-type: none"> Project reports 	
4 The results of the Project are recognized by relevant organizations (e.g. DLF, NAFES, PAFO/DAFO in Southern provinces).	<ul style="list-style-type: none"> End-line survey report is submitted to Lao government Handbook or case studies are submitted to Lao government. More than 2 times of seminar / workshops are organized. 	<ul style="list-style-type: none"> End-line survey report Handbook or case studies Project reports 	

<p>Activities:</p> <p>1-1 To study and select the existing clusters, and identify candidates for core farmers and groups</p> <p>1-2 To identify appropriate technology based on local conditions</p> <p>1-3 To train the staff of PAFO, DAFO, TSC in appropriate technology and cluster development</p> <p>1-4 To build consensus on the scope, activities and roles and responsibilities of the participating organizations with relevant parties</p> <p>1-5 To install necessary facilities and equipment for extension activities</p> <p>1-6 To conduct baseline survey</p> <p>2.1 To select initial clusters</p> <p>2.2 To build consensus on the scope, activities and roles and responsibilities of the core farmers and groups.</p> <p>2.3 To provide guidance and training to core farmers and groups and help them act as extension workers for other villagers in the same cluster</p> <p>2.4 To monitor and document progress in the initial clusters</p> <p>3.1 To develop an extension plan for other target clusters.</p> <p>3.2 To promote the results of the Project to target expansion clusters</p> <p>3.3 To support extension activities to target expansion clusters</p> <p>3.4 To monitor progress of extension activities and their results</p> <p>4.1 To conduct end line survey</p> <p>4.2 To produce a handbook and/or case studies on cluster-based extension</p> <p>4.3 To promote the results of the Project in printed or electronic form</p> <p>4.4 To organize a seminar/workshop(s) to publicize the results of the Project and case studies</p>	<p>Inputs:</p> <p>Japanese side:</p> <p>(1) Long-term Experts:</p> <ul style="list-style-type: none"> Chief advisor Expert in appropriate technology extension (fishery) Coordinator/Training and extension promotion <p>(2) Short-term experts</p> <ul style="list-style-type: none"> Japanese experts in such areas as livestock, crops, extension and socio-economic survey National and third country experts in livestock, crops and aquaculture <p>(3) Training:</p> <ul style="list-style-type: none"> Third country training and study tour Training in Japan <p>(4) Equipment and facilities:</p> <ul style="list-style-type: none"> Necessary equipment and facilities <p>(5) Operation cost:</p> <ul style="list-style-type: none"> Allocation of operational costs for the Project <p>Lao side:</p> <p>(1) Counterpart personnel:</p> <ul style="list-style-type: none"> Project Director (DLF) National Coordinator (DLF) Project Manager (DLF) Expert in livestock or fishery development (PAFO) Expert in extension (PAFO) Site Manager (DAFO) DAFO/TSC extension staff <p>(2) Others:</p> <ul style="list-style-type: none"> Project desk in DLF Provision of land, building and other necessary facilities Allocation of operational costs for the Project Technical support from NAFRI, NADC and other technical support organizations 	<p>Important Assumption:</p> <ul style="list-style-type: none"> Major resettlement doesn't occur in the target areas Frequent transfer of counterparts does not occur. <p>Precondition:</p> <ul style="list-style-type: none"> Community in target clusters does not oppose the project. Security situation remains stable.
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ANNEX 3 Plan of Operation (P/O)

Output 1: Necessary support system is prepared for target cluster development.

Activities	Detailed Activities	2011			2012			2013			2014			2015			Inputs & Equipment	Operation Costs			
		10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6			7-9	10-12	
1-1 To study and select the existing clusters, and identify candidates for core farmers and groups	1-1-1 To study and select the existing clusters		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	Human Resources, C/Ps, staff of PAFO and DAFO	General implementation costs
	1-1-2 To identify candidates for core farmer and groups			4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	Vehicle, Computer, Questionnaire	General implementation costs
1-2 To identify appropriate technology based on local conditions				4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	Vehicle, Computer, Questionnaire	General implementation costs
1-3 To train the staff of PAFO, DAFO, TSC in appropriate technology and cluster development	1-3-1 To make training plan for PAFO, DAFO, TSC			4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	All experts, C/Ps, staff of PAFO and DAFO	General implementation costs
	1-3-2 To conduct training for PAFO, DAFO, TSC			4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	Vehicle, Computer, existing text books	General implementation costs
1-4 To build consensus on the scope, activities and roles and responsibilities of the participating organizations with relevant parties			1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	All experts, C/Ps	General implementation costs
1-5 To install necessary facilities and equipment for extension activities				4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	All experts, C/Ps, staff of PAFO and DAFO, Construction company	General implementation costs
				4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	necessary construction materials	General implementation costs
1-6 To conduct baseline survey	1-6-1 To conduct socio-economic survey			4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	DLF staff, Savanakheth University Staff, Short term expert, staff of PAFO and DAFO	General implementation costs
	1-6-2 To conduct rural income and consumption survey			4-6		1-3	4-6		1-3	4-6		1-3	4-6		1-3	4-6		7-9	10-12	All experts, C/Ps, staff of PAFO and DAFO	General implementation costs

Output 2: Introduction and extension of appropriate technology are implemented in initial clusters.

Activities	Detailed Activities	2010			2011			2012			2013			2014			2015			Inputs	Operation Costs			
		10-12	7-9	4-6	10-12	7-9	4-6	10-12	7-9	4-6	10-12	7-9	4-6	10-12	7-9	4-6	10-12	7-9	4-6			Human Resources	Materials & Equipment	General implementation costs
2-1	To select initial clusters																				All experts, C/Ps, staff of PAFO and DAFO	Vehicle, Computer	General implementation costs	
2-2	To build consensus on the scope, activities and roles and responsibilities of the core farmers and groups.																				All experts, C/Ps, staff of PAFO and DAFO	Vehicle, Computer	General implementation costs	
2-3	To provide guidance and training to core farmers and groups and help them act as extension workers for other villagers in the same cluster	2-3-1																			All experts, C/Ps, staff of PAFO and DAFO	Vehicle, Computer	General implementation costs	
		2-3-2																				All experts, C/Ps, staff of PAFO and DAFO	Vehicle, motor bike, Computer, text book, training materials	General implementation costs
		2-3-3																				All experts, C/Ps, staff of PAFO and DAFO	Vehicle, motor bike, Computer, necessary materials and equipments	General implementation costs
2-4	To monitor and document progress in the initial clusters	2-3-4																			All experts, C/Ps, staff of PAFO and DAFO	Vehicle, motor bike, Computer, necessary materials and equipments	General implementation costs	
																					All experts, C/Ps, staff of PAFO and DAFO	Vehicle, motor bike, Computer, monitoring sheet	General implementation costs	

Output 3: Lessons and good practices in initial clusters are applied to other target clusters.

Activities	Detailed Activities	2010			2011			2012			2013			2014			2015			Inputs	Operation Costs	
		12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	0-1				
3-1 To develop an extension plan for other target clusters.																				Human Resources All experts, C/Ps, staff of PAFO and DAFO	Materials & Equipment Vehicle, Computer	General implementation costs
3-2 To promote the results of the Project to target expansion clusters																					Vehicle, Computer, hand books	General implementation costs
3-3 To support extension activities to target expansion clusters	3-3-1 To conduct training to participating farmers																				Vehicle, motor bike, Computer, text books, necessary materials and equipments	General implementation costs
	3-3-2 To select and support core farmers / groups																				Vehicle, motor bike, Computer, necessary materials and equipments	General implementation costs
	3-3-3 To help them act as extension workers																				Vehicle, motor bike, Computer, necessary materials and equipments	General implementation costs
3-4 To monitor progress of extension activities and their results																					Vehicle, Computer, Monitoring sheet	General implementation costs

Output 4: The results of the Project are recognized by relevant organizations (e.g. DLF, NAFES, PAFO/DAFO in Southern provinces).

Activities	Detailed Activities	2010			2011			2012			2013			2014			2015			Inputs	Operation Costs		
		12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	Human Resources			Materials & Equipment	General implementation costs
4-1	To conduct end line survey																			DLF staff, Savanakheth University Staff, all experts, staff of PAFO and DAFO	Vehicle, Computer, Questionnaire	General implementation costs	
	4-1-1 To conduct socio-economic survey																						
	4-1-2 To conduct rural income and consumption survey																						
4-2	To produce a handbook and/or case studies on cluster-based extension																			All experts, C/Ps, staff of PAFO and DAFO	Computer	General implementation costs	
4-3	To promote the results of the Project in printed or electronic form																			All experts, C/Ps, staff of PAFO and DAFO	Computer	General implementation costs	
4-4	To organize a seminar/workshop(s) to publicize the results of the Project and case studies																			All experts, C/Ps, staff of PAFO and DAFO	Vehicle, Computer	General implementation costs	

ANNEX 4 Summary of Inputs

1. List of Items from Japanese Side

(1) Assignment of Experts

Category	Title	Name	Period of Assignment
Long-term	1. Chief adviser	Dr. Takashi AMANO	30/ Nov/2010 - 29/Nov/2012
	2. Project coordinator / Training & Extension promotion	Mr. Moriaki WATANABE	2/Dec/2010 - 29/Nov/2012
	3. Chief adviser	Mr. CHIKAMI Satoshi	05/Dec/2012-
Short-term			16/Jan/2011 - 28/Jan/2011
	1. Extension Promotion	Mr. CHIKAMI Satoshi	18/Mar/2011-8/Jun/2011 11/Jan/2012 – 28/Jan/2012 1/Jul/2012 – 27/Jul/2012
	2. Rural socio-economic survey	Mr. IDA Kaneyasu	3/Mar/2011-6/May/2011
	3. Fisheries Technology and Extension	Dr. Kosuke SANO	22/ May/2011 - 18/Oct/2011 5/Jan/2012 – 14/Mar/2012 9/May/2012 – 15/Oct/2012
	4. Group Aquaculture	Ms. Kumiko ADACHI	3/Nov/2011 – 17/Dec/2011
	5. Livestock Technology and Extension	Mr. Masaru FUJITA	28/Nov/2011 - 17/Dec/2012 20/May/2012 – 15/Jun/2012

(2) Counterpart Training in Japan

Field	Name	Title	Period
C/P	1. Mr. Bounsieng THEPHAKONE	Head of PLFS, ATP	14 – 31/Jan/2011
	2. Mr. Khambay SINGSOUVONG	Head of PLFS, CSK	ditto
	3. Mr. Sivanpakone VONGBOUNTHAN	Head of PLFS, SLW	ditto
	4. Mr. Khamla THAVIXAY	Head of PLFS, SKG	ditto
Livestock	1. Dr. Bounkhuang KHAMBOUNHEUNG	DG of DLF	14 days in Nov/2012
	2. Mr. Chanthaboun SIRIMANOTHAM	Head of planning division, DLF	ditto
	3. Mr. Prachith NORASENG	DDG of CSK PAFO	ditto
	4. Ms. Vongdeuane PHONGSAMOUTS	DDG of ATP PAFO	ditto
Aquaculture	1. Mr. Alun THEPKAYSONE	Aquaculture officer, PAFO, CSK	18 days in Nov/2012
	2. Mr. Soulisak KEOBOUPHA	Agriculture officer, PAFO, CSK	ditto
	3. Mr. Lupsy VONGPHILA	Livestock officer, PAFO, CSK	ditto

(3) Equipment Provided

Item of Equipment	Q'ty	Value (USD)	Remarks
1. Copy machine set	2 set	5,996	PKS and VTE office
2. Desktop computer	17 sets	12,672	PKS office, PLFS, DAFO
3. Desktop computer (second hand)	12 sets	-	PLFS, DAFO
4. Notebook computer	4 sets	5,128	PKS and VTE office
5. Laser-jet printer set	2 sets	2,600	PKS office
6. Ink-jet printer set	15 sets	4,045	PKS office, PLFS, DAFO
7. All in one fax machine	1 unit	365	PKS office
8. All in one printer	5 units	1,454	VTE office, PLFS
9. FAX	8 units	960	DAFO
10. Projector and screen	2 set	4,059	PKS and VTE office
11. Digital camera	18 units	3,690	PKS office, PLFS, DAFO
12. Digital video camera	2 units	814	PKS office
13. 4WD vehicles	3 units	90,000	PKS office
14. Motorcycles	18 units	25,329	PKS office, PLFS, DAFO
15. Motorcycles (second hand)	6 units	7,716	PKS and VTE office, PLFS
Total		164,828	

(4) Facilities Renovated / Constructed

Facilities	Cost (USD)
1. Construction of PKS office	56,849
2. Construction of training center for TSC, Taoy District, SLW	28,618
3. Improvement of TSC facilities (7 places)	41,615
4. Digging pond for group aquaculture (3 places)	4,258
Total	131,340

(5) Financial Support for Local Cost (Nov 2010 – Sep 2012)

Activities	(USD)	%
1. General expenses	241,136	37
2. Training / Workshop / Survey	74,297	11
3. Necessary materials for sub-project	47,766	7
4. Equipment (e.g. Computers, vehicles, etc.)	164,828	25
5. Facility improvement	131,340	20
Total	613,737	100

2. Items of Inputs from Lao Side

(1) List of Counterpart Officers Assigned

Title	Name	Period
National Coordinating Team		
1. Project Director, DLF, MAF	Dr. Bounkhuang KHAMBOUNHEUNG	2010-
2. National Coordinator, DLF, MAF	Mr. Chanthaboun SIRIMANOTHAM	2010-
Project Management Team (PMT)		
1. Project Manager, PAFO, CSK	Mr. Bouathong HEUANTHAVONGSA	2010-
2. Fishery officer, PAFO, CSK	Ms. Vanny SENGKAPKEO	2011-
3. Livestock officer, PAFO, CSK	Mr. Lupsy VONGPHILA	2011-
4. Agriculture officer, PAFO, CSK	Mr. Soulisak KEOBOUPHA	2011-
5. Fishery officer, PAFO, CSK	Mr. Aloun THEPKAYSONE	2011-
Attapu (ATP) Site Management Team		
1. PLFS head, ATP	Mr. Bounsieng THEPHAKONE	2011-
2. PLFS staff, ATP	Mr. Syphachan	2011-
3. PLFS staff, ATP	Mr. Vieng	2011-
4. DAFO staff, Sansai, ATP	Mr. Aekvasan	2011-
5. DAFO staff, Phuvong, ATP	Mr. Siha	2011-
6. DAFO staff, Phuvong, ATP	Mr. Thanongsak	2011-
Champasak (CSK) Site Management Team		
1. PLFS head, CSK	Mr. Khambay SINGSOUVONG	2011-
2. PLFS staff, CSK	Mr. Somsai	2011-
3. DAFO staff, Sukhuma, CSK	Mr. Bounlieng	2011-
4. DAFO staff, Sukhuma, CSK	Mr. Buasavanh	2011-
5. DAFO staff, Mounlapamok, CSK	Mr. Khamsinh	2011-
Salawan (SLW) Site Management Team		
1. PLFS head, SLW	Mr. Sivanpakone VONGBOUNTHAN	2011-
2. PLFS staff, SLW	Mr. Vorasak	2011-
3. DAFO staff,, Laongam, SLW	Ms. Thongbai	2011-
4. DAFO staff, Taoy, SLW	Mr. Vinai	2011-
Sekong (SKG) Site Management Team		
1. PLFS head, SKG	Mr. Khamla THAVIXAY	2011-
2. PLFS staff, SKG	Ms. Khuanchai	2011-
3. DAFO staff, Lamam, SKG	Ms. Phukhan	2011-
4. DAFO staff, Tateng, SKG	Ms. Linlida	2011-

ANNEX 5 Summary of Activities undertaken from November 2010 to November 2012

<Activities for Output 1 >

<p>Output 1 Necessary support system is prepared for target cluster development.</p> <p>Indicators</p> <p>1-1 More than 12 staff from PAFO, DAFO and TSC receive training for cluster development and appropriate technology and pass training examination.</p> <p>1-2 Criteria to select core farmers and groups are developed.</p> <p>1-3 Appropriate technologies are listed up in all target clusters.</p>	
<p>Item of Activity in PDM</p> <p>1-1 To study and select the existing clusters, and identify candidates for core farmers and groups</p> <p>1) Study and select the existing clusters</p> <p>2) Identify candidates for core farmers and groups</p>	<p style="text-align: center;">Overview of Activities to Date</p> <p>70% accomplished</p> <ul style="list-style-type: none"> A rural socio-economic survey was conducted in 8 candidate clusters selected in 7 Districts of 4 target Provinces from March to April 2011 for purpose of understanding people's livelihood in the target areas. In addition to this survey, the current situation of AQIP2 sites (aquaculture) was surveyed in Laongam District, Salawan Province in collaboration with NADC researchers. Some candidates for core farmers and groups have been listed up based on the results of these surveys. The information of candidates for core farmers has continued to be collected. An additional survey was conducted in one candidate cluster for expansion stage, Nong Nga Cluster, Mounlapamok District, Champasak Province in March 2012.
<p>1-2 To identify appropriate technology based on local conditions</p>	<p>70% accomplished</p> <ul style="list-style-type: none"> The Project Management Team identified sub-projects (activities) to be promoted in the 8 initial clusters, based on requests submitted by DAFOs in charge and information collected through the surveys including: Sample survey on people's livelihood in the target clusters (March to April, 2011); Rural socio-economic survey (March to April 2011); and Aquaculture survey in 4 target clusters (May to June, 2011). It was decided that one sub-project should be selected and implemented in each cluster according to the local needs and priority. In the 2nd workshop held in May 2012, the Project Team proposed on sub-projects to be implemented in the respective clusters to the field extension staff who participated in the workshop. All the participants agreed on the proposal. Based on the results of the surveys and information from the DAFOs in the target clusters, technologies to be promoted were also identified and listed up for the respective target clusters, which were presented in the 2nd JCC meeting held in August, 2012. The sub-projects and technologies to be promoted in each cluster are summarized in Table I and II below.
<p style="text-align: center;">Activities to be Undertaken</p> <ul style="list-style-type: none"> Information for core farmers in the candidate expansion clusters will be collected based on the policy of expansion stage from January to February 2013. After conducting the survey, list of candidates of the core farmers will be made from February to March 2013. After reviewing activities of 8 initial clusters and developing the policy of expansion stage, appropriate technologies will be re-examined from March to May 2013 for more effective extension in the expansion stage. 	

Table 5-1: Project target areas and sub-projects to be implemented

Project Target Areas		Sub-projects
Province	District	(Activities to be promoted)
Attapu	Sansay	Nam Pa
		Aquaculture

<p>1-3 To train the staff of PAFO, DAFO, TSC in appropriate technology and cluster development</p> <ol style="list-style-type: none"> 1) Make training plan for PAFO, DAFO, TSC 2) Conduct training for PAFO, DAFO, TSC 	<p>80% accomplished</p> <ul style="list-style-type: none"> • Based on the results of the training needs assessment conducted in June 2011, training plans on the respective activities (sub-projects) were prepared. • For purpose of enhancing the capacity of staff at PAFO, DAFO and TSC, 3 types of trainings or workshops have been organized together with field trips as follows: <ol style="list-style-type: none"> i) 3 basic trainings for all extension staff; ii) 5 technical trainings on selected topics; iii) 3 workshops for extension staff; and iv) 3 field trips for extension staff. <p>The details of each function are summarized in Table III below.</p> <p style="text-align: center;">Table 5-III: Trainings, workshops and field trips organized by the Project</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Category</th> <th>Title/Contents</th> <th>Date (days)</th> <th>Participants</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Basic/ General</td> <td>1) Aquaculture</td> <td>Jul. 2011 (5d)</td> <td>20 (PLFS, DAFO, TSC staff)</td> </tr> <tr> <td>2) Livestock</td> <td>Sep. 2011 (5d)</td> <td>25 (PLFS, DAFO, TSC staff)</td> </tr> <tr> <td>3) Administration</td> <td>Oct. 2011 (2d)</td> <td>15 (PLFS, DAFO staff)</td> </tr> <tr> <td rowspan="4">Selected Topics</td> <td>1) Local catfish breeding (with LARReC)</td> <td>May 2012 (5d)</td> <td>6 (CSK Aquaculture station staff)</td> </tr> <tr> <td>2) Goat raising</td> <td>Jun. 2012 (3d)</td> <td>88 (PLFS, DAFO staff-livestock)</td> </tr> <tr> <td>3) Grass growing</td> <td>Jun. 2012 (2d)</td> <td>88 (PLFS, DAFO staff-livestock)</td> </tr> <tr> <td>4) Aquaculture</td> <td>Jul. 2012 (5d)</td> <td>20 (PLFS, DAFO staff-fisheries)</td> </tr> <tr> <td rowspan="4">Workshop</td> <td>1) Results of socio-economic survey</td> <td>Apr. 2011 (1d)</td> <td>25 (PLFS, DAFO staff-livestock)</td> </tr> <tr> <td>2) Sub-projects in target clusters</td> <td>Jun. 2011 (1d)</td> <td>32 (PLFS, DAFO, PMT staff)</td> </tr> <tr> <td>3) Progress of sub-projects</td> <td>Jan. 2012 (1d)</td> <td>45 (PLFS, DAFO, PMT staff)</td> </tr> <tr> <td>4) Aquaculture</td> <td>May 2012 (1d)</td> <td>11 (PLFS, DAFO staff -aquaculture/Integrated agric.)</td> </tr> <tr> <td rowspan="3">Field Trip</td> <td>Aquaculture (AQUJP site visits in north)</td> <td>Jun. 2011 (7d)</td> <td>4 (PMT C/Ps)</td> </tr> <tr> <td>Livestock (Xieng Khuang)</td> <td>Nov. 2011 (6d)</td> <td>5 (PMT C/Ps)</td> </tr> <tr> <td>Integrated agriculture (south)</td> <td>Dec. 2011 (5d)</td> <td>9 (PLFS, DAFO staff)</td> </tr> </tbody> </table>	Category	Title/Contents	Date (days)	Participants	Basic/ General	1) Aquaculture	Jul. 2011 (5d)	20 (PLFS, DAFO, TSC staff)	2) Livestock	Sep. 2011 (5d)	25 (PLFS, DAFO, TSC staff)	3) Administration	Oct. 2011 (2d)	15 (PLFS, DAFO staff)	Selected Topics	1) Local catfish breeding (with LARReC)	May 2012 (5d)	6 (CSK Aquaculture station staff)	2) Goat raising	Jun. 2012 (3d)	88 (PLFS, DAFO staff-livestock)	3) Grass growing	Jun. 2012 (2d)	88 (PLFS, DAFO staff-livestock)	4) Aquaculture	Jul. 2012 (5d)	20 (PLFS, DAFO staff-fisheries)	Workshop	1) Results of socio-economic survey	Apr. 2011 (1d)	25 (PLFS, DAFO staff-livestock)	2) Sub-projects in target clusters	Jun. 2011 (1d)	32 (PLFS, DAFO, PMT staff)	3) Progress of sub-projects	Jan. 2012 (1d)	45 (PLFS, DAFO, PMT staff)	4) Aquaculture	May 2012 (1d)	11 (PLFS, DAFO staff -aquaculture/Integrated agric.)	Field Trip	Aquaculture (AQUJP site visits in north)	Jun. 2011 (7d)	4 (PMT C/Ps)	Livestock (Xieng Khuang)	Nov. 2011 (6d)	5 (PMT C/Ps)	Integrated agriculture (south)	Dec. 2011 (5d)	9 (PLFS, DAFO staff)	<ol style="list-style-type: none"> 1) Based on the policy of expansion stage, training plan for extension staffs from PLFS, DAFO, and TSC will be developed from March to May 2013. 2) Based on the training plan agreed, the trainings for extension staff will be organized from May to July 2013. If necessary, lecturers will be invited as resource persons from relevant organizations such as DOP, NAFES and NAFRI or other countries.
Category	Title/Contents	Date (days)	Participants																																																	
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	Integrated agriculture (south)	Dec. 2011 (5d)	9 (PLFS, DAFO staff)																																																	
<p>1-4 To build consensus on the scope, activities and roles</p>	<p>60% accomplished</p> <ul style="list-style-type: none"> • Roles and responsibilities of participating organizations were discussed and described in Project 	<ul style="list-style-type: none"> • The project implementation structure as well as roles and 																																																		

<p>and responsibilities of the participating organizations with relevant parties</p>	<p>Document.</p> <ul style="list-style-type: none"> Chief advisor shifted from Pakse to VTE in Aug 2012 for strengthening relationship with DLF HQ and other stakeholders. The roles and responsibilities of National Coordination Team (Vientiane) and Project Management Team (Pakse) were reviewed with relevant organizations. As a result, the project implementation structure and roles and responsibilities of respective organizations have been modified. 	<p>responsibilities of respective organizations will be continuously reviewed when necessary.</p>																										
<p>1-5 To install necessary facilities and equipment for extension activities</p>	<p>70% accomplished</p> <ul style="list-style-type: none"> The Project supported for improvement of facilities required for effective extension activities at 10 sites as summarized in Table IV below. <p>Table 5-IV: Facilities and equipment installed and rehabilitated with support of the Project</p> <table border="1"> <thead> <tr> <th>Province</th> <th>Site</th> <th>Work Contents</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Atapue Champasack</td> <td>TSC in Sansai District</td> <td>Digging pond</td> </tr> <tr> <td>KM8 aquaculture station</td> <td>Renovation of meeting room</td> </tr> <tr> <td>TSC in Sukhuma District</td> <td>Renovation of water tank</td> </tr> <tr> <td rowspan="3">Salwan</td> <td>Boungkeo village, Sukhuma District</td> <td>Digging pond for group aquaculture</td> </tr> <tr> <td>TSC in Laongam District</td> <td>Renovation of aquaculture facilities</td> </tr> <tr> <td>Kang village, Laongam District</td> <td>Digging pond for group aquaculture</td> </tr> <tr> <td rowspan="4">Sakong</td> <td>TSC in Taoy District</td> <td>Renovation of fish pond and nursery of trees</td> </tr> <tr> <td>Huay Khiao aquaculture station</td> <td>Renovation of aquaculture facilities</td> </tr> <tr> <td>TSC in Tateng District</td> <td>Digging pond</td> </tr> <tr> <td>Beng village, Lamam District</td> <td>Digging pond for group aquaculture (school)</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Some equipment including computer, motorcycles, printers, fax, digital cameras, etc. were provided to all the extension staff both at Provincial and District level, aiming at improving the effectiveness of the extension activities. 	Province	Site	Work Contents	Atapue Champasack	TSC in Sansai District	Digging pond	KM8 aquaculture station	Renovation of meeting room	TSC in Sukhuma District	Renovation of water tank	Salwan	Boungkeo village, Sukhuma District	Digging pond for group aquaculture	TSC in Laongam District	Renovation of aquaculture facilities	Kang village, Laongam District	Digging pond for group aquaculture	Sakong	TSC in Taoy District	Renovation of fish pond and nursery of trees	Huay Khiao aquaculture station	Renovation of aquaculture facilities	TSC in Tateng District	Digging pond	Beng village, Lamam District	Digging pond for group aquaculture (school)	<ul style="list-style-type: none"> While most facilities and equipment have been installed at the respective sites, further works shall be undertaken when necessary.
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	Beng village, Lamam District	Digging pond for group aquaculture (school)																										
<p>1-6 To conduct baseline survey</p> <ol style="list-style-type: none"> Conduct socio-economic survey Conduct rural income and consumption survey 	<p>100% accomplished</p> <ul style="list-style-type: none"> A rural socio-economic survey was conducted in 8 candidate clusters selected in 7 Districts of 4 target Provinces from March to April 2011 for purpose of understanding people's livelihood in the target areas. The baseline survey was conducted in 8 initial clusters from January to March 2012 to collect index of project purpose. 2 national staff (Laotian and Japanese) was contracted for monitoring the survey and summarizing collected information. A total of 273 households consisting of 135 participants, 123 non-participants and 15 VVWs were interviewed by the PLFS and DAFO staff. The results of the survey were reported by the survey team in the 2nd PLFSs' head meeting held in Salwan Province on April 24, 2012. 	<ul style="list-style-type: none"> Baseline data in the expansion clusters will be collected after the target clusters were selected. 																										

<Activities for Output 2>

<p>Output 2</p>	<p>Introduction and extension of appropriate technology are implemented in initial clusters.</p>							
<p>Indicators</p>	<p>2-1 More than 16 core farmers adopt appropriate technology in initial clusters. 2-2 More than 160 farmers receive technical transfer from core farmers in initial clusters.</p>							
<p>Item of Activity in PDM</p>								
<p>2-1 To select initial clusters</p>	<p>100% accomplished</p> <ul style="list-style-type: none"> • 8 initial clusters were selected from 7 District of 4 target Provinces based on the results of socio-economic survey conducted in April 2011 using the following criteria: <ul style="list-style-type: none"> i) Relevance to the provincial/district policy; ii) Accessibility (distance, road conditions, etc.); iii) On-going agricultural activities; iv) Present farming practices of farmers/farmer groups; and v) Existence of on-site training sites. • The clusters selected are shown in Table I in Activity 1-2. 	<p>Activities to be Undertaken</p>						
<p>2-2 To build consensus on the scope, activities and roles and responsibilities of the core farmers and groups.</p>	<p>100% accomplished</p> <ul style="list-style-type: none"> • Roles and responsibilities of core farmers were discussed and agreed in all the 8 initial clusters, which were summarized according to the sub-projects as follows: <p style="text-align: center;">Table 5-V: Roles and responsibilities of core farmers in the sub-projects</p> <table border="1"> <thead> <tr> <th>Sub-project</th> <th>Roles and Responsibilities of Core Farmers</th> </tr> </thead> <tbody> <tr> <td>Livestock</td> <td> <p><i>Village Veterinary Workers (V/Ws)</i> are expected to play roles of core farmers in the livestock sub-project as follows:</p> <ul style="list-style-type: none"> • To respond and maintain the bull well • Mating with heifer cow by the bull received from the project, castration, vaccination and veterinary cure in appropriate price by agreement with VLPC. • To register every animal such as put ear tag, make a clear pedigree. • To measure animal body size for observing animal growth. • To monitor the breeding of bull and birthing of cow for improve the cattle in the village. • To record the data of birth date and ear tag number, death date and the reason, selling date and owner's name. </td> </tr> <tr> <td>Aquaculture</td> <td> <p><i>Village Aquaculture Development Workers (VADWs)</i> are expected to play roles of core farmers in the aquaculture sub-project as follows:</p> <ul style="list-style-type: none"> • To produce and sell fry and/or fingerlings to aquaculture farmers. • To provide advice on basic aquaculture technologies for aquaculture farmers in the cluster. • To report serious problem on aquaculture in the cluster to DAFO. </td> </tr> </tbody> </table>	Sub-project	Roles and Responsibilities of Core Farmers	Livestock	<p><i>Village Veterinary Workers (V/Ws)</i> are expected to play roles of core farmers in the livestock sub-project as follows:</p> <ul style="list-style-type: none"> • To respond and maintain the bull well • Mating with heifer cow by the bull received from the project, castration, vaccination and veterinary cure in appropriate price by agreement with VLPC. • To register every animal such as put ear tag, make a clear pedigree. • To measure animal body size for observing animal growth. • To monitor the breeding of bull and birthing of cow for improve the cattle in the village. • To record the data of birth date and ear tag number, death date and the reason, selling date and owner's name. 	Aquaculture	<p><i>Village Aquaculture Development Workers (VADWs)</i> are expected to play roles of core farmers in the aquaculture sub-project as follows:</p> <ul style="list-style-type: none"> • To produce and sell fry and/or fingerlings to aquaculture farmers. • To provide advice on basic aquaculture technologies for aquaculture farmers in the cluster. • To report serious problem on aquaculture in the cluster to DAFO. 	<p>Completed</p>
Sub-project	Roles and Responsibilities of Core Farmers							
Livestock	<p><i>Village Veterinary Workers (V/Ws)</i> are expected to play roles of core farmers in the livestock sub-project as follows:</p> <ul style="list-style-type: none"> • To respond and maintain the bull well • Mating with heifer cow by the bull received from the project, castration, vaccination and veterinary cure in appropriate price by agreement with VLPC. • To register every animal such as put ear tag, make a clear pedigree. • To measure animal body size for observing animal growth. • To monitor the breeding of bull and birthing of cow for improve the cattle in the village. • To record the data of birth date and ear tag number, death date and the reason, selling date and owner's name. 							
Aquaculture	<p><i>Village Aquaculture Development Workers (VADWs)</i> are expected to play roles of core farmers in the aquaculture sub-project as follows:</p> <ul style="list-style-type: none"> • To produce and sell fry and/or fingerlings to aquaculture farmers. • To provide advice on basic aquaculture technologies for aquaculture farmers in the cluster. • To report serious problem on aquaculture in the cluster to DAFO. 							

	<ul style="list-style-type: none"> To support promotion of group aquaculture in the cluster. To give guidance on aquaculture technologies to members of the group aquaculture. 																	
Integrated Agriculture	<p>Core farmers are expected to play in the integrated agriculture sub-project as follows:</p> <ul style="list-style-type: none"> To have willingness to perform as a core farmer by providing other farmers with technical advice and information and report on problems and issues to government extension officers. To have aggressive attitude for acquisition of new knowledge and technology To have enough land and production facility for establishing demonstration farm. To be endowed with productive conditions such as water and feed materials. To be respected by other farmers as a local leader. 																	
<p>2-3 To provide guidance and training to core farmers and groups and help them act as extension workers for other villagers in the same cluster</p> <ol style="list-style-type: none"> 1) Make implementation plan for initial clusters 2) Conduct training to participating farmers 3) Select and support core farmers and groups 4) Help them act as extension workers 	<p>70% accomplished</p> <ul style="list-style-type: none"> Annual work plan for each sub-project were reported and approved. The implementation plans were summarized in 'The outline of sub-project in 8 Initial clusters'. 9 times of technical training and workshop to general farmers were organized in initial clusters. (by the end of Sep) 6 times of technical training and workshop to core farmers were organized in initial clusters. (by the end of Sep) Technical training and workshop by core farmers to general farmers were organized in 6 initial clusters. Technical trainings and workshops to the villagers in initial clusters could be categorized into 3 groups as follow: <p>(1) Technical training or workshop for general farmers PAFO/DAFO staff in each sub-project have organized a total of 9 technical trainings or workshops for general farmers before identifying core farmers and groups.</p> <table border="1"> <thead> <tr> <th colspan="4">Technical Training or Workshop for General Farmers</th> </tr> <tr> <th>Province</th> <th>Village</th> <th>Date</th> <th>No. of Participants</th> </tr> </thead> <tbody> <tr> <td>Champasak</td> <td>Boungkeo</td> <td>Aug. 3</td> <td>17</td> </tr> <tr> <td>Salawan</td> <td>Kang</td> <td>5</td> <td>15</td> </tr> </tbody> </table> <p>Table 5-VI: Technical trainings on aquaculture organized for general farmers</p>	Technical Training or Workshop for General Farmers				Province	Village	Date	No. of Participants	Champasak	Boungkeo	Aug. 3	17	Salawan	Kang	5	15	<ul style="list-style-type: none"> Continue to support core farmers.
Technical Training or Workshop for General Farmers																		
Province	Village	Date	No. of Participants															
Champasak	Boungkeo	Aug. 3	17															
Salawan	Kang	5	15															

	Sekong			Beng			Kapeu			Somboun		
	Attapue											
Integrated Agriculture	<ul style="list-style-type: none"> 6 technical trainings and 1 workshop were organized from November 2011 to July 2012 on the following topics: <ul style="list-style-type: none"> i) aquaculture and vegetable growing ii) paddy rice growing iii) how to make compost iv) how to make herbal pesticide v) how to make boiled feed vi) agroforestry A total of 35 farmers have been trained by them. 											

(2) Technical training or workshop for core farmers
Technical trainings or workshops organized for core farmer in each sub-project are summarized in Table VII below.

Table 5-VII: Technical training or workshop for core farmers

Sub-project	Technical Training or Workshop for Core Farmers
Livestock	All the 17 VVWs in the 2 target clusters (Phuvong and Shukuma) have been trained.
Aquaculture	<ul style="list-style-type: none"> 12 candidates of VADWs were selected from 5 target clusters and trained at Namsuan Aquaculture Development Center (NADC) in January to February 2012. Training of Trainers (TOT) was organized for 10 candidates of VADWs at KM 8 Aquaculture Station in February 2012. 10 VADWs were officially appointed by DLF after the training.
Integrated Agriculture	<ul style="list-style-type: none"> 7 candidates, 4 for integrated aquaculture and 3 for rice-based integrated agriculture, were selected and provided technical training. Because application of appropriate technology and production of rice-based aquaculture is still low level, only 4 farmers of integrated aquaculture were assigned as model farmers. They are expected to conduct demonstration activities in their fields.

(3) Technical training and workshop by core farmers to general farmers.
Technical training and workshop by core farmers to general farmers were organized with facilitation by PLFS and DAFO staff in each sub-project as shown in Table VIII.

Table 5-VIII: Technical training or workshop for general farmers		
Sub-project	Technical Training or Workshop by Core Farmers	No. of Participants
Aquaculture	<ul style="list-style-type: none"> • Technical training by VADWs in 5 target clusters in March 2012. • Technical training by VADWs for group aquaculture in 2 target clusters in July 2012. 	274
Integrated Agriculture	<ul style="list-style-type: none"> • Technical transfer workshop for integrated aquaculture in 1 cluster in June 2012. 	19
Livestock	<ul style="list-style-type: none"> • Technical trainings by VVWs for VLPC farmers in October 2012 	8
* Participants in aquaculture training include group members.		
2-4 To monitor and document progress in the initial clusters	70% accomplished	
	<ul style="list-style-type: none"> • The activities have been regularly monitored and documented by PLFS and DAFO staff under the supervision of PMT. 	
	<ul style="list-style-type: none"> • In the sub-projects on aquaculture, on-site guidance has been regularly conducted by discussing with target DAFOs and participants since May 2011. 10 times of the on-site guidance was conducted in total by the end of July 2012 	
	<ul style="list-style-type: none"> • In the sub-project on integrated agriculture, Monthly Monitoring Meeting (MMM) has been regularly organized since January 2012. 7 times of the MMMs were organized in total by the end of July 2012. Deputy head of DAFO usually chairs the meeting. 	
<ul style="list-style-type: none"> • The activities in 8 Initial clusters will be continued to monitor. • However, more effective monitoring methods by local authorities should be considered with minimum supervision of Project Management Team. • Besides, National Coordination Team will be more involved in monitoring activities through monthly meetings. 		

<Activities for Output 3>

Output 3	Lessons and good practices in initial clusters are applied to other target clusters.
Indicators	3-1 More than 16 core farmers adopt appropriate technology in target expansion clusters. 3-2 More than 160 farmers receive technical transfer from core farmers in target expansion clusters.
Item of Activity in PDM	Overview of Achievement / Progress of Activities to Date
3-1 To develop an extension plan for other target	0% accomplished Not conducted.
Activities to be Undertaken	
<ul style="list-style-type: none"> • Based on the results of evaluation for activities in 8 initial clusters, basic policy of expansion stage including schedule and guidelines will be prepared 	

clusters.		in January 2013. In February 2013, the basic policy will be agreed among relevant authorities including DLF, PAFOs, DAFOs, and JICA. Based on the policy, target clusters will be selected and action plan in each target cluster will be prepared from March to May 2013. The action plan in each target cluster will be approved in next JCC.	<ul style="list-style-type: none"> After the decision of selection of target expansion clusters, a workshop on making action plan for 3years will be held by the beginning of 2013. Staff members of DAFO, PLFS and LIPS participate in the Workshop.
3-2 To promote the results of the Project to target expansion clusters	0% accomplished Not conducted.		To be decided in the course of implementation.
3-3 To support extension activities to target expansion clusters 1) Conduct training to participating farmers 2) Select and support core farmers/groups 3) Help them act as extension workers	0% accomplished Not conducted.		To be decided in the course of implementation.
3-4 To monitor progress of extension activities and their result	0% accomplished Not conducted.		To be decided in the course of implementation.

<Activities for Output 4>

Output 4	The results of the Project are recognized by relevant organizations (e.g. DLF, NAFES, PAFO/DAFO in Southern provinces).		
Indicator	4-1 End line survey report is submitted to Lao government 4-2 Handbook or case studies are submitted to Lao government. 4-3 More than 2 times of seminar / workshops are organized.		
	Item of Activity in PDM	Overview of Achievement / Progress of Activities to Date	Activities to be Undertaken
4-1	To conduct end line survey 1) Conduct socio-economic survey 2) Conduct rural income and consumption survey	0% accomplished Not conducted.	<ul style="list-style-type: none"> Both qualitative (socio-economic survey) and quantitative survey (rural income and consumption survey) will be conducted for end line survey in Mar to Apr 2015.
4-2	To produce a handbook and/or case studies on cluster-based extension	0% accomplished Not conducted.	<ul style="list-style-type: none"> Summarizing the results of the activities, a handbook and/or case studies on cluster-based extension will be prepared in Apr to Jul 2015.

<p>4-3 To promote the results of the Project in printed or electronic form</p>	<p>0% accomplished Not conducted.</p>	<ul style="list-style-type: none"> Based on the evaluation of activities in 8 initial clusters, lesson learnt and good practices will be summarized and printed or electronic form will be prepared in Jan to Mar 2013. In 5th year, those printed or electronic form will be renewal based on the reviewing expansion activities for more effective extension in other areas of Lao PDR.
<p>4-4 To organize a seminar/workshop(s) to publicize the results of the Project and case studies</p>	<p>0% accomplished Not conducted.</p>	<ul style="list-style-type: none"> Workshop to publicize the results of activities in 8 initial clusters will be organized in June to July 2013. In the 5th year, final workshop to publicize the results of the project activities will be organized. Expected participants are staffs from DLF, DOP, DEC, NAFRI in MAF, DOI in MPI, related donor-assisted projects, and JICA.