GRANT No.: 0235-LAO (SF)

LAO PDR

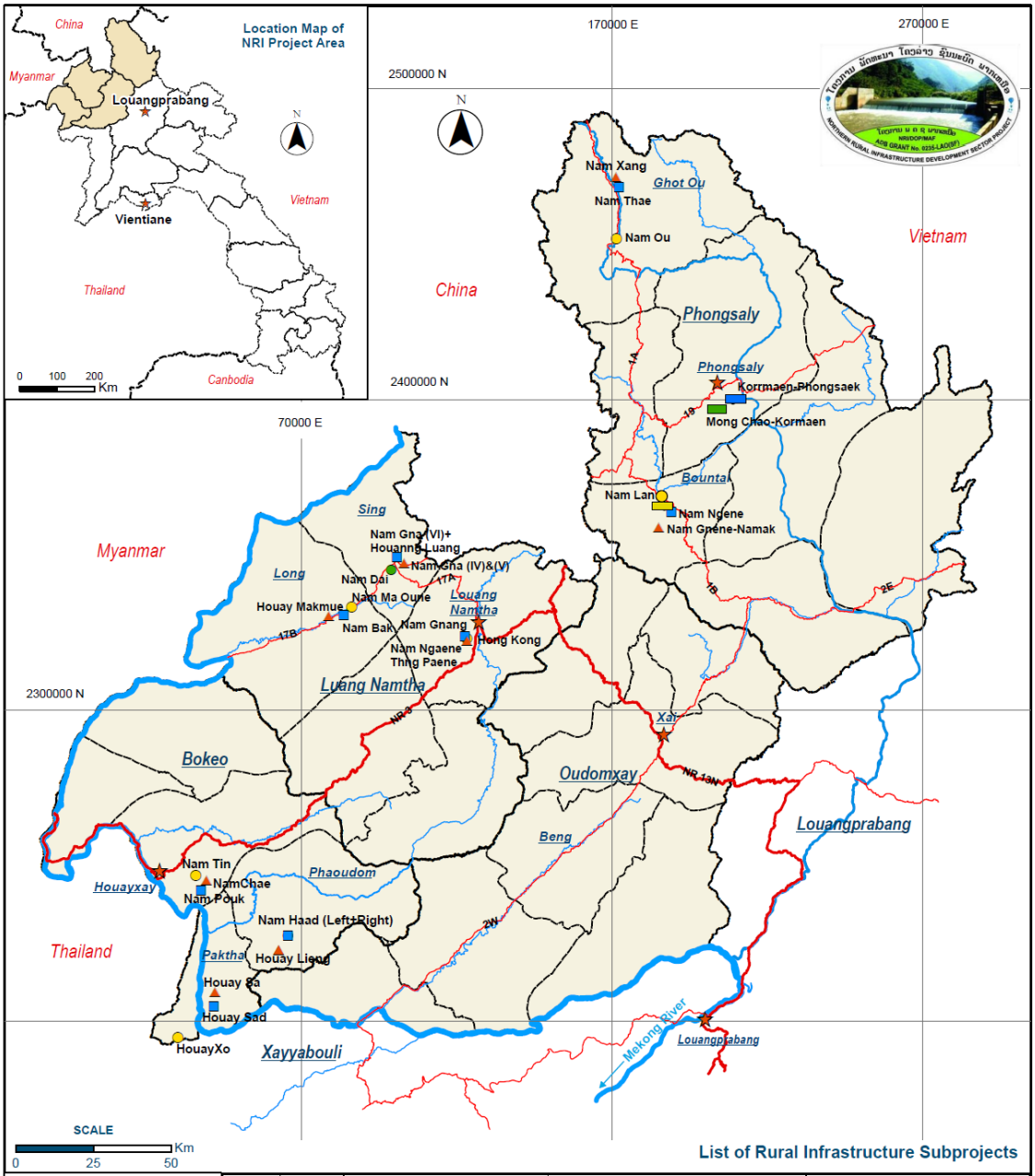
Ministry of Agriculture and Forestry
Department of Planning and Cooperation

Northern Rural Infrastructure Development Sector Project

Quarterly Progress Report

January to March
2015

Nippon Koei Co., Ltd.
in association with
NIACONSULT, Inc. & Lao Consulting Group



Legend

- City
- Road
- River
- Provincial Boundary
- NRI Target District
- Irrigation Subproject Yea1 (B-1)
- Irrigation Subproject Yea1 (B-2)
- Irrigation Subproject Year2
- Irrigation Subproject Year3
- Road Subproject Yea1 (B-1)
- Road Subproject Yea1 (B-2)
- Road Subproject Year2
- Road Subproject Year3

Province	District	Project Year: 1 Name	Irrigation Area (Ha)	Road [I]	Road [II] /Km	Project Year: 2 Name	Irrigation Area (Ha)	Road [I] /Km	Road [II] /Km	Bridge (m)	Project Year: 3 Name	Irrigation Area (Ha)	Road [I] /Km	Road [II] /Km
Bokeo	Huayxai	Nam Tin	500	15.06		Nam Pouk	236	1.56			Nam Chae	240	2.4	
	Paktha	Houay Xo	92	6.7		Houay Sad	120	5			Hauay Sa	110	4	
	Pha Oudom	Nam Haad (Right)	150	4.73		Nam Haad (Left)	450	5.1			Houay Lieng	270	5.9	
Luangnamtha	Louangnamtha	Hong Kong	155	5.17		Nam Gnang	355	5.7			Nam Ngene TP	290	2.6	
	Sing	Nam Dai (5&6)	157	3.64		Nam Gna (VI)-H.Louang	406	6			Nam Gna (IV) and (V)	256	3.26	
	Long	Nam Ma Oune	105	3.15		Nam Bak	217	5.9			Houay Makmue	150	6.76	
Phongsaly	Phongsaly	Mong Chao-Kormaen			11.1	Kormen-Phongsaek			10.1					
	Nam Ou	Nam Ou	440	8.03		Nam Thae	140	4.8			Nam Xang	164	3.53	
	Bountai	Nam Lan	82	4.24		Nam Ngaene	117	6.2		50	Nam Ngene & Nam Hin	185	6.74	
Oudomxay	Beng	Associated Initiatives for Nam Hao & Nam Beng Irrigation Subprojects												
	Xai	Associated Initiatives for Nam Him & Nam Mao Irrigation Subprojects												
Total			1,681	51	11		2,041	40	10	50		1,665	35	

Note:

Road [I]: Rural access road for Farm to Market and O&M of Irrigation Facilities
Road [II]: Rural access road for connecting village to district/province/ national road

Location of Subprojects of NRI

Northern Rural Infrastructure Development Sector Project

Updated Date: March, 2015

Project Location Map

Northern Rural Infrastructure Development Sector Project
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List of Abbreviation

ADB	:	Asian Development Bank
BME	:	Benefit Monitoring and Evaluation
CIS	:	Center for Information and Statistics
CD	:	Community Development
CMI	:	Community Managed Irrigation Sector Project
DAFO	:	District Agriculture and Forestry Office
DCO	:	District Coordination Office
DD	:	Detailed Design
DLWU	:	District Lao Women's Union
DMU	:	District Management Unit
DOI	:	Department o Irrigation
DOPC	:	Department of Planning and Cooperation
EA	:	Executing Agency
EGDP	:	Ethnic Group Development Plan
EIRR	:	Economic Internal Rate of Return
EMP	:	Environmental Management Plan
FAO	:	Food and Agriculture Organization
FPG	:	Farmer Production Group
FS	:	Feasibility Study
GAP	:	Gender Action Plan
GDP	:	Gross Domestic Product
GIC	:	Grant Implementation Consultant
GIS	:	Geographic Information System
GMS	:	Greater Mekong Subregion
GOL	:	Government of Lao PDR
GPS	:	Global Positioning System
HH	:	Household
HYV	:	High Yielding Variety
IA	:	Implementing Agency
IEE	:	Initial Environmental Examination
IPM	:	Integrated Pest Management
IPP	:	Indigenous Peoples Plan
ISA	:	Initial Social Assessment
ISF	:	Irrigation Service Fee
Lao PDR	:	Lao People's Democratic Republic
LAC	:	Land Acquisition and Compensation
MAF	:	Ministry of Agriculture and Forestry

MIS	:	Management Information System
MPI	:	Ministry of Planning and Investment
M&E	:	Monitoring and Evaluation
NAFRI	:	National Agriculture and Forestry Research Institute
NCMI	:	Northern Community-Managed Irrigation Sector Project
NRI	:	Northern Rural Infrastructure Development Sector Project
NSC	:	National Steering Committee
NPD	:	National Project Director
NPMO	:	National Project Management Office
OJT	:	On-the-job-training
O&M	:	Operation and Maintenance
PAM	:	Project Administration Manual
PAFO	:	Provincial Agriculture Forestry Office
PBME	:	Project Benefit Monitoring and Evaluation
p-m	:	Person Month
PBME	:	Project Benefit Monitoring and Evaluation
PPO	:	Provincial Project Office
PPTA	:	Project Preparatory Technical Assistance
RMC	:	Road Maintenance Committee
RP	:	Resettlement Plan
RRP	:	Report and Recommendation of the President
SIA	:	Social Impact Assessment
SIR	:	Subproject Investment Report
SRI	:	System of Rice Intensification
TA	:	Technical Assistance
TOR	:	Terms of Reference
WUA	:	Water User Association
WUG	:	Water User Group

UNITS

Ha	:	hectare
Km	:	kilometer
M	:	meter
Kg	:	kilogram
m^2	:	square meter
m^3	:	cubic meter
Mm	:	millimeter

Lao People's Democratic Republic
Ministry Of Agriculture and Forestry
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Quarterly Progress Report

January to March 2015

OF

Northern Rural Infrastructure Development Sector Project
ADB Grant No. 0235-LAO (SF)

(All Amounts in US$ Million)

1. Basic Data

NAME: **Northern Rural Infrastructure Development Sector Project**
Executing Agencies: Department of Planning, MAF

Grant No.:	Approval:	Signing:	Effectiveness:	Closing:	Physical Completion:	Elapsed Grant Period:	Project Progress:
0235-LAO (SF)	26 Nov.2010	08 Dec.2010	08 Mar. 2011	31 Aug. 2017	28 Feb. 2017	49 mo./ 72 mo. (68.1%)	**(71.6%)**

Review Mission: Last Actual: (14 – 28 November 2014)

2. Financing Plan

Source of Fund	Amount ($ mill.)	Share (%)
ADB Grant	23.00	93.4
Government	1.17	4.8
Beneficiaries	0.46	1.8
Total Project Cost	24.63	100.0

3. Grant Utilization

(US$'000,000)

	2011			2012				2013			
	QT2 Apr-Jun	**QT3** Jul-Sep	**QT4** Oct-Dec	**QT1** Jan-Mar	**QT2** Apr-Jun	**QT3** Jul-Sep	**QT4** Oct-Dec	**QT1** Jan-Mar	**QT2** Apr-Jun	**QT3** Jul-Sep	**QT4** Oct-Dec
Contract Award											
Projection	0	0	0	0.31	0.56	0.4	0.39	2.03	2.98	0.27	0.29
Cumulative	**0**	**0**	**0**	**0.31**	**0.87**	**1.28**	**1.67**	**7.32**	**10.3**	**10.57**	**10.86**
Actual	3.61	0.01	0.53	0.41	0.55	0.25	2.05	0.25	3.01	0.45	0.26
Cumulative	**3.61**	**3.62**	**4.15**	**4.56**	**5.11**	**5.36**	**7.41**	**7.67**	**10.67**	**11.12**	**11.39**
Disbursement											
Projection	0	0	0	0.2	0.6	0.64	0.63	0.74	1.06	0,94	2.02
Cumulative	**0**	**0**	**0**	**0.2**	**0.8**	**1.45**	**2.07**	**5.58**	**6.6**	**7.54**	**9.56**
Actual	0	0.73	0.06	0.8	1.01	0.46	0.28	0.33	1.09	1.18	0.53
Cumulative	**0**	**0.73**	**0.79**	**1.59**	**2.6**	**3.06**	**3.34**	**0.67**	**4.76**	**5.94**	**6.48**

(US$'000,000)

	2014				2015			
	QT1 Jan-Mar	**QT2** Apr-Jun	**QT3** Jul-Sep	**QT4** Oct-Dec	**QT1** Jan-Mar	**QT2** Apr-Jun	**QT3** Jul-Sep	**QT4** Oct-Dec
Contract Award								
Projection	3.59	0.78	0.29	0.28	3.44	0.27	0.20	0.22
Cumulative	**14.45**	**15.23**	**15.52**	**15.80**	**19.24**	**19.51**	**19.71**	**19.93**
Actual	3.88	0.16	0.19	0.41	0.49	0.00	0.00	0.00
Cumulative	**15.27**	**15.43**	**15.62**	**16.03**	**16.52**			
Weight (%)	**(66.39)**	**(67.07)**	**(67.91)**	**(69.69)**	**(71.84)**			
Disbursement								
Projection	0.48	1.22	1.48	2.15	0.41	1.07	0.58	2.75
Cumulative	**10.04**	**11.26**	**12.74**	**14.89**	**15.30**	**16.37**	**16.95**	**19.70**
Actual	1.16	2.07	2.06	0.28	0.92	0.00	0.00	0.00
Cumulative	**7.64**	**9.71**	**11.73**	**12.27**	**13.19**			
Weight (%)	**(33.20)**	**(42.20)**		**(53.35)**	**(57.35)**			

4. Project and EA Accounts

Type/EA	FY End	Months After FY	Date Received	Months Delayed	Status of Compliance	Remarks/Issues
Submission of Audited Project Account of DOP	March	6 Months		-	-	The auditor report for FY2013/ 2014 was submitted to ADB on 27 March 2015.

5. Development Impact and Outcome

5.1 Development Impact

Description (with quantifiable / monitorable targets)	**Assessment of Current Status**
Impact	
Improved rural household incomes in the four northern provinces of Bokeo, Luang namtha, Oudomxay, and Phongsaly	See PBME Annual Report 2014
Performance Targets and Indicators	
Average annual household income in areas influenced by the project increased from KN11.6 million in 2010 to KN16.2 million by 2020.	
Key Assumptions/Risks	**Assessment of Current Status**
Assumptions:	
1. The government continues to place a high priority on economic growth in the northern region.	Yes
2. The benefit stream continues over the economic life of the improved infrastructure.	Yes
Risk:	
1. Economic development potential is limited in districts participating in the project	Economic development potential is high

5.2 Development Outcome

Description (with quantifiable / monitorable targets)	**Assessment of Current Status**
Outcome	
Increased agricultural productivity in the four northern provinces of Bokeo, Luang Namtha, Oudomxay, and Pongsly.	See PBME Annual Report 2014
Performance Targets and Indicators	
Agricultural productivity in rice equivalent increased from 3 ton/hectare in 2010 to 5 ton/hectare by 2017	See PBME Annual Report 2014
Key Assumption/Risks	**Assessment of Current Status**
Assumption:	

1. Demand for agricultural products grown in the area remains strong.	So far, demand for agricultural products grown in the area is strong.
Risks:	
1. Insufficient maintenance causes premature asset deterioration.	So far, not yet happen.
2. Training regulations and procedures are inefficient.	So far, not yet happen.

5.3 Major Problem with DO

Description	Action Taken/Proposed
None.	

6. Implementation Progress

6.1 Present Status

Overall Progress

1. This report is the 15th progress report covering the period from January to March 2015, to be submitted to ADB in the beginning of April 2015.
2. Overall physical progress: is estimated at **71.6%** (Based on new revised of weight in December 2014) as of 31 March 2014**,** against 49 months (or 68.1%) of Project period of time has elapsed since the Project Grant effectiveness on 08 March 2011 (Project period: 72 months from Mar. 2010 to Feb. 2017) and **65.65%** elapsed compare to the project commencement date in August 1st 2011. (See **Appendix 1**)
3. Overall financial progress: ADB Grant is estimated at **57.4%** with an amount of **US$ 13.2 million** of disbursement against US$23.0 million of ADB grant amount as of the end of March 2015, while overall financial progress is estimated at **55.7%** with an amount of **US$ 13.7 million** of disbursement against US$24.62 million of overall project fund. (See **Table 1**)
4. Inputs of GIC: As of the end of March 2015, total of 86.9 p-m (84.3% of 103.1 p-m based on new revised of GIC input) of international and 200.2 p-m (80.9% of 247.3 p-m based on new revised of GIC input) of national consultant inputs were used. (See **Appendix 3**)
5. The current status of output progress is: (i) Productivity-enhancing rural infrastructure constructed and/or rehabilitated – **69%**; (ii) Productivity and impact enhancing initiatives adopted - **60%**; (iii) Capacity of national, provincial, and district agencies strengthened to enable a sector development approach - **97%** (Based on new revised of weight in December 2014); and (iv) Efficient and effective delivery of subprojects and project management – **82%**.

6. Component 1: (See **Table 2**)

(1) Year 1 (1st batch) (3 representative subprojects): The contracts for construction works were awarded in December 2012, and all the construction works were completed as summarized below.

No.	Subproject	Province	District	Construction contract date	Civil work Progress (%)	Remark (completed mon.)
1	Nam Haad Irrigation	Bokeo	Pha Oudom	01/11/2013	100	Dec.'13
2	Nam Dai Irrigation	Luang Namtha	Sing	01/11/2013	100	Feb.'14
3	Mong Chao - Komaen Rural Road Rehabilitation	Phongsaly	Phongsaly	01/11/2013	100	Feb.'14

(2) Year 1 (2nd batch) (6 subprojects): Contracts for the civil works were awarded in April 2013. After suspension of the works during rainy season, all the 6 subprojects have re-started the works in November/December 2013. The civil works of all the 6 subprojects are completed as of March 2015.

No.	Subproject	Province	District	Construction contract date	Civil work Progress (%)	Remark (completed mon.)
1	Houay Xo Irrigation	Bokeo	Pak Tha	11/04/2013	100	Jan.'15
2	Nam Tine Irrigation	Bokeo	Houaysay	11/04/2013	100	Apr.'14
3	Hong Kong Irrigation	Luang Namtha	Luang Namtha	08/04/2013	100	Jun.'14
4	Nam Ma Oune Irrigation	Luang Namtha	Long	09/04/2013	100	Jul.'14
5	Nam Lan Irrigation	Phongsaly	Bountai	22/04/2013	100	Apr.'14
6	Nam Ou Irrigation	Phongsaly	Gnot Ou	23/04/2013	100	Apr.'14

(3) Year 2 (9 subprojects):

- Tender was launched in Dec. 2013. Bid Opening and Bid evaluation have been completed and contracts were awarded in Feb. to Mar. 2014. Current progresses of each subproject civil works are given below:

No.	Subproject	Province	District	Construction contract date	Civil work Progress (%)	Remark
1	Komaen – Phongsaek Road	Pnongsaly	Phongsaly	24 Feb. 2014	100	completed

2	Nam Thae Irrigation	Phongsaly	Gnot Ou	24 Feb. 2014	90.0	ongoing
3	Nam Ngene Irrigation	Phongsaly	Bountai	24 Feb. 2014	94.6	ongoing
4	Nam Gnang Irrigation	Luang Namtha	Luang Namtha	06 Mar. 2014	85.0	ongoing
5	Nam Gna 6 – Houay Luang	Luang Namtha	Sing	06 Mar. 2014	57.2	ongoing
6	Nam Bak Irrigation	Luang Namtha	Long	06 Mar. 2014	80.0	ongoing
7	Nam Pouk irrigation	Bokeo	Houay Xay	12 Mar. 2014	100	completed
8	Nam Haad left Irrigation	Bokeo	Pha Oudom	12 Mar. 2014	100	completed
9	Houay Sat Irrigation	Bokeo	Paktha	12 Mar. 2014	70.0	ongoing

(4) Year 3 (8 subprojects):

- Feasibility Study Report including Safeguard Study on 8 subprojects Year 3 was approved by ADB on 03 February 2015.
- Procurement of consulting firm for survey, detail design and construction supervision was completed in 19 December 2014.
- The Detailed Design works for the 8 Year 3 subprojects will be completed in April 2015.
- The bidding will be done from May to July 2015 and the contracts for the civil works will be awarded August to September 2015.

7. Component 2:

(1) Community Development:

(1)-1: WUG development: Up to December 2014, total 32 WUGs of 16 irrigation subprojects of Year 1 and 2 were established, authorized by district governor as follows.

Year 1 – WUGs (22 WUGs in total) in 8 irrigation subprojects were established, authorized by district governor by August 2012.
Year 2 – WUGs (10 WUGs in total) in 8 irrigation subprojects were established, authorized by district governor by May 2014.

Women's participation on WUG committee member: The Project re-visited all the Year 1 and 2 subprojects to ensure 30% participation of women in each WUG. Now all the subprojects Year 1 &2 reached more than 30% of women's participation as summarized in the table below and detailed in **Appendix 6.** (as of March 2015)

WUG registration to be WUA (not yet due): For the next step of WUG registration, the responsibility for the O&M of the completed irrigation facilities will be transferred to each WUG after certified the defect liability of the construction works, then, the official process for the Irrigation Management Transfer to WUG will be done by the district/DAFO and the province/PAFO.

In order to complete the development of the WUG to be the WUA, the WUG is required to be registered at the District Financial Office as a WUA. The District Financial Office will assess the WUG's capacity and performance up to date if the WUG has capacity to operate and manage the organization as a WUA financially, then issue a certificate (license) to the WUG to be a WUA based on Irrigation Law and Decree on the Establishment and Operation of the Water Users Associations (No.1150/AF in 2000).

(1)-2: RMC development: 6 RMCs of 2 road subproject of Year 1&2 have been established with authorization of the district governor.

Year 1 – RMCs (4 VRMCs in total) in Mongchao-Koarmen road subproject (Year 1) was established, authorized by district governor by August 2012. RMCs (2 VRMCs in total) in Koarmen-Phongseak road subproject (Year 2) was established, authorized by district governor by May 2014.

(2) Land Use Planning and Management:

A Land Use Management Plan for Nam Tin subproject was prepared as a standard plan. To date, among 24 targeted subprojects 8 subprojects of Year 1 are completed. Presently, irrigation block map updating and development of LMP are being done by PPOs/DCOs for Year 2 subprojects. **(See Appendix 10)**

(3) Operation and Maintenance:

(3)-1: Irrigation Operation and Maintenance: Trainings on O&M of Irrigation facilities for WUG/farmers were done in 2 subprojects (Nam Haad and Nam Dai) in the form of OJT for PPOs/DCOs in February 2014. It is planned that PPOs/DCOs will carry out such O&M training for the WUG/farmer training in each remaining completed irrigation subproject with support by GIC. For the remaining 7 Year 1 subproject were successfully conducted by PPO and DCO. Total number of participant from WUG Committee, village authority and beneficiaries is 447, which is 22% (105 persons) are female. Year 2 is not yet started.

(3)-2: Road Operation and Maintenance: One Road O&M OJT was conducted in March 2014 for RMC of Mongchao – Komaene Road in March 2014. Total participant is 40 which is 7 (17.5%) are female).

(4) Collection of ISF: Collection of Irrigation Service Fees (ISF) is planned after project completion to support the funding requirements for O&M. ISF rates were set up considering each subproject condition and in consultation with established WUG/WUAs. It is reported that ISF collection has been starting in some completed subprojects including Nam Haad Right Bank, but the details are not reported yet. **(See Appendix 9)**

(5) Female-focused Extension Services: Poultry raising activities are ongoing as "female-focused extension services". The Project delivered 6,162 chickens to the beneficiary farmers in 12 villages of 8 subprojects, comprising of 2,009 chickens in Phongsaly, 2000 chickens in Luang Namgtha, 1,378 chickens in Bokeo and 775 chickens in Oudomxay Province.

One and a half year past since this program started in April 2013. Basically, the chicken raising program performed great success. Some farmers have been able to produce three rounds per year and able to increase income quite substantially. However, there is still limited turnaround of the program to the second batch households. The Project is now collecting the detailed figures for the assessment of each subproject, the results of which will be presented in Q2-2015 (**See Appendix 8:** Summary of Assessment of Chicken Raising Activities).

(6) Agriculture Extension and Marketing:

(6)-1: Agriculture Extension (Demonstration):

- Demonstration activities have been done in 2 subprojects in 2012 WS, 9 subprojects in 2012-13 DS, 18 subprojects in 2013 WS, 7 subprojects in 2013-14 DS, 17 subprojects in 2014 WS. For 2014-15 DS, the demonstration activities are being done in 8 subprojects.

- The crops for the demonstration are SRI in the wet season, and those in the dry season are i) SRI, ii) Tea, iii) Soybean, and iv) Peanut depending on the site situation. (See Appendix 11 (1)).
- The demonstration activities have been done with cooperation of the farmers (called "Farmer Cooperator") using the farmer's fields (called "Demonstration Plot").
- The numbers of the farmer cooperators are 16 HHs in 2012 WS, 40 HHs in 2012-13 DS, 217 HHs in 2013 WS, 136 HHs in 2013-14 DS, 255 HHs in 2014 WS, and 127 HHs in 2014-15 DS. (See Appendix 11 (2)).
- The yield of rice in the demo plots and the general rice fields vary from 4.91 ton/ha to 7.82 ton/ha in the SRI demonstration plots, and from 4.0 ton/ha to 5.5 ton/ha in the general rice fields during 2013 wet season. (See **Appendix 11 (3))**

(6)-2: Agricultural Extension (Study Tour):

- 1st (year 1 subproject) study tour was conducted on 11-13, and 19 March 2013 for 11 subprojects of 4 provinces to visit SRI in Luangprabang and the tea production processing in China. Total number of participant is 99 persons, out of which 25 were females.
- 2nd (year 2 subproject) study tour was conducted on 9-15 March 2014 focusing on contract farming in Long and Sing district, Luangnamtha province and Bountai district, Phongsaly province. Total number of participants is 77 persons, out of which 13 were females.
- 3rd (year 3 subproject) study tour: not yet planned. (See **Appendix 11 (4)**)

(6)-3: Marketing (Agro-processing and Contract Farming by FPGs):

- To date, there are 43 Farmer Production Groups (FPG) established for 19 subprojects under Year 1 and 2 subprojects including Oudomxay province, with 1,269 members (HHs).
- Out of 1,269 HHs, 130 persons are committee members of FPG, among which 41 persons (31.5%) are women. (See **Appendix 12**).
- Contract farming implementation in dry season 2013-14:

  For promotion of the contract farming, as a pilot activity, the Project took 3 subprojects of i) Mongchao – Komaene Road subproject, ii) Nam Bak Irrigation subproject, and iii) Nam Haad Irrigation subproject. There are 3 specific crop production groups, who made contract farming for the dry season 2013-14, the evaluation meeting for which was conducted in August 2014. The results of the meeting are summarized below and detailed in **Appendix 13.**

  - 4 Tea FPGs (193 HHs) in Mongchao – Kormaen Road subproject:
    - Four (4) traders signed the contract farming of tea production with 4 Tea FPGs with a total tea production area of 363 ha, separately, with coordination by PPO, Representative of district governor, DCO and PICO/DICO (Provincial and District Industry and Commerce Office).
    - The content of contract includes i) commodity: kind of tea (fresh and dry), ii) minimum price setting, and iii) duration of the contract.
    - The amount of sold tea leaves to the traders under the contract farming by 4 Tea FPGs was 51 tons of fresh leaves (out of 153 tons of total production) and 1.6 tons of dry leaves (out of 1.8 tons of total production).
  - 3 Pumpkin FPGs (75 HHs) in Nam Bak irrigation subproject:
    - One (1) trader signed the contract farming of pumpkin production with 3 Pumpkin FPGs with a total production area of 87.6 ha, with coordination by PPO, Representative of district governor, DCO, PICO/DICO (Provincial and District Industry and Commerce Office), and DFO (District Finance Office).
    - The content of contract includes i) commodity: pumpkin, ii) price, iii) condition of supporting materials, and iv) duration of the contract.
    - The amount of sold products to the investor/trader under the contract farming by 3 Pumpkin FPGs was 2,365 tons with the value of 1,419,120,000 Kip.
  - 4 Rice FPGs (68 HHs) in Nam Haad Right Bank irrigation subproject:
    - Three (3) traders signed the contract farming of rice production with 4 Rice FPGs with a total production area of 54 ha, with coordination by PPO, Representative of district governor, DCO, PICO/DICO (Provincial and District Industry and Commerce Office), and DFO (District Finance Office).
    - The responsibilities of each partner in the contract farming are i) trader: Inputs (seed, fertilizer, chemicals) and Market, ii) Project: Supporting the linkages between FPG and traders, provide growing techniques, follow up and monitor during the contract implementation, and iii) FPGs: Land and Land preparation, and Labor.
    - The amount of sold products to the investor/trader under the contract farming by 4 Rice FPGs was 34.2 tons (14% of total production), and the amount of 138 .3 tons (56% of total production) was sold to the outside traders with a little bit higher price than that of the contracted traders.
- Contract farming implementation in dry season 2014-15: (on-going)

8. Component 3:

(1) Sector Policy Development Study: prepared 6 policy papers by GIC specialist. Two days workshop for presentation and discussion of policy papers was organized ion 18-19 September 2014 (including of field visit). The workshop was designed to provide the participants with an overview of the findings from each topic and then invite participating organizations to share their views and experiences on these topics. There are 20 participants (18 male and 2 female) from 4 project provinces, Departments concern under MAF and NAFES.

(2) Support MAF's DOP Monitoring and Evaluation Section: The Project provided support to the MAF's M&E Section to carry out 2 times of trainings on system (ProMIS) in the project's districts and provinces. 1st round workshop training was done from 02 June to 25 July 2014 intermittently, with the budget of $17,357, and 2nd round workshop training was done from 14 January to 25 February 2015, intermittently, with the budget of $15,267 respectively.

(3) PBME: On-the-Job trainings on "PBME" for 3 subproject sites in 3 provinces were completed on 12 to 20 February 2013. Agriculture

production data collection of dry and wet season 2012-13 was completed and annual PBME report 2013 developed and submitted to ADB and stakeholders. The dry season agriculture data 2013-14 were collected in August 2014.

(4) Value Chain Development: 2nd TOT on Value Chain Development Activities for PPOs and DCOs including Oudomxay province was completed in March 2013. TOT on Cropping Pattern Planning and Preparation of Contract Farming was conducted at PAFO Bokeo on 14-15 October 2013. Follow up of Contract Farming by FPGs was done by NPMO/GIC specialist from 19 to 28 February 2014 at 3 subprojects of Mongchao, Nam Bak and Nam Haad. The assessment of the results of those contract farming was done in August 2014.

(5) Irrigation O&M: TOT on Irrigation O&M for PPO and DCO staff have been conducted on 24-25 May 2013. General Irrigation O&M manual have been developed and delivered to PPO and DCO in August 2013. Irrigation O&M OJT for WUG and beneficiaries has been developed. First training was conducted in Nam Haad Irrigation subproject to demonstrate to PPO and DCO staff and training WUG and farmer on 12-14 Feb. 2014

(6) Village Road Maintenance : Village Road Maintenance Committee (VRMC) Training was done on 11-12 March 2014 at Phongsaly participated by PPO/DCO staff and VRMC members of 4 villages (Mongchao, Phouchum, Charphou and Kormaen).

Description (with quantifiable/monitorable targets)	**Assessment of Progress-to-date**
Component 1: Rural Infrastructure Development	
[Outputs]: Productivity-enhancing rural infrastructure constructed and/ or rehabilitated	
1. An estimated 2,900 ha of command area served by rehabilitated gravity irrigation structures by 2017	As of end March 2015, a total of **5,387 ha** of command area of 24 irrigation subprojects Year 1, 2 and 3 have been identified, among which , 1,681 ha is of 8 subprojects of Year 1; 2,041 ha is of 8 subprojects of Year 2 and 1,665 ha is of 8 subprojects of Year 3 (under detailed design stage). Eight (8) irrigation subprojects (Year 1): All the 8 irrigation subprojects Year 1 are completed. Eight (8) irrigation subprojects (Year 2): Out of 8 subprojects, 2 are completed, and the progresses of the other 6 subprojects vary from 57% to 94%. It is expected that all the remaining 6 subprojects will be completed by June 2015. Eight (8) Irrigation subproject (Year 3): They are now under detailed design stage. **(See Appendix 8: List of all subprojects with areas).**
2. **155** km of rural access roads rehabilitated by 2017 (Minor change from 175 km to 155 km was approved on 29 Aug.2014 after MTR)	As of end Dec. 2014, a total of 147 km of rural access road and 50 m of suspension bridge for Year 1, 2 and 3 subprojects have been identified, among which, 62 km is of Year 1 subproject, 60 km road and 50 suspension bridge is of Year 2 subproject, and 35 km is of Year 3 subproject. During the detailed design for Year 3 subprojects, the road length is being reviewed in each subproject in order to reach the target. There are two (2) types of rural access road, Type [I] (126km in total) is *"Rural access road for Farm to Market and O&M of Irrigation facilities"*, and Type [II] (21km in total) is *"Rural Access Road for connecting village to district/ province/ National Road"*. **(See Appendix 95: Summary of access road supported by the Project)**
3. Equal opportunity to access employment with equal pay for equal work. (Refer as revision by MTR)	The Project has recognized this target indicator and gave high opportunity for female and indigenous people for employment to work on construction/ rehabilitation works by engaged contractor to employ local labour and female to work for the project as mentioned on ***construction contract Clause GCC 65.2 of Particular Condition***. However, during the implementation of 16 subprojects Y1&2 civil works it was found that female employment was very low availability as well as none of females interested and applied to the construction works. In addition, the women prefer to work for agriculture works than construction works based on their experiences, and it is also not common for female workers in the construction works in those provinces. Total labor of 16 subprojects that constructed and under construction is 646 people, with female participation only 41 people (or 6%) and ethnic group participated on construction is 396 (or 61%) and female 22 people (or 5.5%). Payment by contractor is based on skill and task. The project is now collecting the information of the employment and payment situation of each subproject under construction.
[Activities]:	

<table>
<tr><td>1. Twenty-five (25) subprojects prepared and approved: 3 by June 2011, 12 by September 2012, and 10 by September 2013</td><td>At this stage, total 18 subprojects (3 subprojects of Y1 Batch 1 and 6 subprojects of Y1 Batch 2; and 9 subprojects of Y2 are prepared and approved).

The feasibility study reports for Year 3 subprojects (8 subprojects in total) were approved by ADB on 03 February 2015.

The SIR for Year 3 subprojects (8 subprojects in total) was submitted to ADB on 02 March 2015.

The total number of subprojects prepared and approved is 9 subprojects for Year 1, 9 subprojects for Year 2 and 8 subprojects for Year 3, <u>totaling at 26 subprojects.</u>

The situations of the 26 subprojects of Year 1, 2, 3 are presented in:
Table 2: Subproject Civil Works Implementation Progress (as of March 2015);
Appendix 4: List of all subprojects with areas; and
Appendix 5: Summary of access road supported by the Project.</td></tr>
<tr><td>2. Twenty-five (25) subprojects constructed, commissioned, and transferred to the relevant authority for operation by December 2016</td><td>Total 11 subprojects (8 irrigation and 2road subprojects) have been completed as of March 2015.

Among 11 subprojects above, three (3) subprojects were completed the inspection of the defect liability period after completion of the construction as summarized below.

<table><tr><td>Subproject</td><td>Date of Final Inspection of Completion</td><td>Date of Final Inspection of Defect Liability</td></tr><tr><td>1. Nam Haad RB Irrigation</td><td>18 Dec.’13</td><td>07 Jan.’15</td></tr><tr><td>2. Nam Dai Irrigation</td><td>26 Feb.’14</td><td>Mar.’15</td></tr><tr><td>3. Nam Lan Irrigation</td><td>09 Apr.’14</td><td>Mar.’15</td></tr></table>
The Project is now preparing the hand over process of the O&M of the irrigation facilities to the relevant WUG for the completed subprojects of defect liability.</td></tr>
<tr><td colspan="2">Component 2: Productivity and Impact Enhancement</td></tr>
<tr><td colspan="2">[Outputs]: Productivity-and impact enhancing adopted</td></tr>
<tr><td>1. Twenty-five (25) producer and water user groups formed by February 2017 with 30% of their members being women</td><td><u>Water User Group (WUG) / Village Road Maintenance Committee (VRMC) Formation</u>

• 18 subprojects of Year 1 and 2, total of 32 WUGs and 6 VRMCs were authorized by district governor for establishment of WUGs/VRMCs completed in June 2014.
• Year 1 subprojects has been completed between May and August of 2012, and approved by district Governor. Totally, 22 WUGs and 4 VRMCs were established which nominated 119 members of WUGs executive committee with 24% of female, and 29 members of VRMCs executive committee with 38% of female, respectively.
• Establishment of WUGs/VRMC of Year 2 has been completed and approved by district governor by May 2014. Totally, 10 WUGs and 2 VRMCs were established which nominated 55 members of WUGs executive committee with 18% of female, and 14 members of VRMCs executive committee with 29% of female, respectively.
• <u>Women’s participation on WUG committee member:</u> The Project re-visited all the Year 1 and 2 subprojects to ensure 30% participation of women in each WUG. Now all the subprojects Year 1 &2 reached more than 30% of women’s participation as summarized in the table below and detailed in Appendix 6. (as of March 2015)
• Establishment of WUGs/VRMC of Year 3 subprojects are not yet started, which will start after the detailed design is completed in April 2015.

<u>Farmer Producer Group (FPG) Formation:</u>

• The FPGs have been established under the relevant WUGs (Monghchao is an exceptional case, under the village authority).
• These groups are practically being managed by each FPG management unit, headed by a FPG leader, supervised by Water User Committee.
• Some farmer production groups are doing well, and some might need further support from the Project for the increase of their knowledge and skills in i)</td></tr>
</table>

<table>
<tr><td></td><td>FPG administration, ii) making supply contracts, iii) production planning, iv) crop protection (IPM), v) production of organic fertilizers and vi) rice/crop/tea processing method.
• Currently, the Project is working on establishing the clear producer groups' management unit (head and deputy head of the groups) and ensuring 30% participation of women on all subproject management committees.
• Based on the continuous follow up by the Project, the updated information of FPGs was reported to NPMO as summarized below.
• 43 FPGs with a total of 1,269 HHs have been established at 19 subprojects under Year 1 and 2 including 2 subprojects in Oudomxai province as of March 2015. (See Appendix 12)
Note: The figures in the annual progress report 2014 were revised based on the updated information as summarized below.
<table>
<tr><th>Items</th><th>Annual Progress Report 2014</th><th>Quarterly Progress Report Q1-2015</th></tr>
<tr><td>No.of subprojects</td><td>12</td><td>19</td></tr>
<tr><td>No.of FPGs</td><td>53</td><td>43</td></tr>
<tr><td>No.of HHs</td><td>955</td><td>1,269</td></tr>
</table>
</td></tr>
<tr><td>2. Twenty-five (25) producer groups supply contracts ratified by district agriculture and forestry offices by February 2017 to supply private processors for value-addition through processing</td><td>Based on the rapid appraisal assessment on Marketing/Value added and agricultural extension activities for 3 representative subprojects, the Project prepared comprehensive approach plan for the value chain development.

The proposed value chain development activities have been implemented by covering total 13 subprojects (9 subprojects of Year 1, and 4 subprojects of Oudomxay province) as scheduled below.

• Sep.'12: 1st TOT: Workshop on marketing and value adding.
• Oct.'12 to Feb.'13: Gathering marketing information by PPO, DCO.
• Mar.'13: 2nd TOT: Workshop on assessment of collected information, which included i) FPG-Investor/Buyer Linking Forum; ii) Find out what the market wants; and iii) Understand how the marketing system works.
• Apr.-May '13: Identify FPG members and select FCs.
• Apr.-May '13: Prepare subproject implementation plan.
• July '13: Start Value Chain Development Implementation.

To date, there are 43 Farmer Production Groups (FPG) established for 19 subprojects under Year 1and 2 subprojects, with 1,269 members.

Contract farming is ongoing as a pilot in 3 subprojects (Mongchao – Komaene Road subproject, Nam Bak Irrigation subproject and Nam Haad Irrigation subproject. There are 3 specific crop production groups, Tea FPGs for Mongchao, Pumpkin FPGs for Nam Bak, and Rice FPGs for Nam Haad.

Contract farming for the 2013-14 dry season:

The evaluation meeting on the 2013-14 dry season was conducted in August 2014 in each province, as summarized below:

➢ 4 Tea FPGs (193 HHs) in Mongchao – Kormaen Road subproject:
- Four (4) traders signed the contract farming of tea production with 4 Tea FPGs.
- The amount of sold tea leaves to the traders under the contract farming by 4 Tea FPGs was 51 tons of fresh leaves and 1.6 tons of dry leaves.
➢ 3 Pumpkin FPGs (75 HHs) in Nam Bak irrigation subproject:
- One (1) trader signed the contract farming of pumpkin production with 3 Pumpkin FPGs.
- The amount of sold products to the trader under the contract farming by 3 Pumpkin FPGs was 2,365 tons with the value of 1,419,120,000 Kip.
➢ 4 Rice FPGs (68 HHs) in Nam Haad Right Bank irrigation subproject:
- Three (3) traders signed the contract farming of rice production with 4 Rice FPGs.
- The amount of sold products to the trader under the contract farming by 4 Rice FPGs was 34.2 tons (14% of total production), and the amount of 138 .3 tons (56% of total production) was sold to the outside traders with a little bit higher price than that of the contracted traders.

(See Appendix 13)

Contract farming for the 2014-15 dry season: (Ongoing)</td></tr>
<tr><td>3. Twenty (20) catchment management plans with associated land rezoning implemented by 2017</td><td>Catchment management plan for NRI is defined as "Land Use Management Plan and Irrigation Block Map" which is targeting both upstream catchment and</td></tr>
</table>

	command area of irrigation block map for supporting the Irrigation O&M (including water distribution and delivery plan) and Cropping planning under irrigation systems. Sample land use management plan has been completed in December 2013 for Nam Tin subproject, Houayxai District, Bokeo Province. On this basis, PPOs and DCOs have been continuing preparation of Irrigation Block Map and Land Use Management Plan for other subprojects. A publication workshop is required to be organized at each subproject in order to prepare appropriate LUMP after drafting of LUMP. A trial publication workshop in Nam Haad right bank subproject was organized on 14 February 2014 to present findings of the analysis to the stakeholders to enhance awareness of land use management as well as measures for sustainable management. Continuously, by the end of September 2014, all the 8 Year 1 irrigation subprojects, Land Use Management Plan and Irrigation Block Map including organization of publication workshop have been completed. A total catchment area of 8 subprojects of Year 1 is about **1,592 km^2**. (See **Appendix 10**)
4. Female-focused extension services designed for and delivered to women, with 30% of extension training for women by 2016	Poultry raising activities are ongoing as "female-focused extension services". The Project delivered 6,162 chickens to the beneficiary farmers in 12 villages of 8 subprojects, comprising of 2,009 chickens in Phongsaly, 2000 chickens in Luang Namgtha, 1,378 chickens in Bokeo and 775 chickens in Oudomxay Province. One and a half year past since this program started in April 2013. Basically, the chicken raising program performed great success. Some farmers have been able to produce three rounds per year and able to increase income quite substantially. However, there is still limited turnaround of the program to the second batch households. The Project is now collecting the detailed figures for the assessment of each subproject, the results of which will be presented in Q2-2015. (**See Appendix 8**).
[Activities]:	
1. Twenty-five (25) producer and water user groups established and trained in villages benefiting from rehabilitated infrastructure by 2016	**Operation and Maintenance:** (1) Irrigation Operation and Maintenance: Trainings on O&M of Irrigation facilities for WUG/farmers were done in 2 subprojects (Nam Haad and Nam Dai) in the form of OJT for PPOs/DCOs in February 2014. It is planned that PPOs/DCOs will carry out such O&M training for the WUG/farmer training in each remaining completed irrigation subproject with support by GIC. For the remaining 7 Year 1 subproject were successfully conducted by PPO and DCO. Total number of participant from WUG Committee, village authority and beneficiaries is 447, which is 22% (105 persons) are female. Year 2 is not yet started. (2) Road Operation and Maintenance: One Road O&M OJT was conducted in March 2014 for RMC of Mongchao – Komaene Road in March 2014. Total participant is 40 which is 7 (17.5%) are female). (3) Collection of ISF: Collection of Irrigation Service Fees (ISF) is planned after project completion to support the funding requirements for O&M. ISF rates were set up considering each subproject condition and in consultation with established WUG/WUAs. It is reported that ISF collection has been starting in some completed subprojects including Nam Haad Right Bank, but the details are not reported yet. **(See Appendix 9)**
2. Pro forma contract farming guidelines and/or contracts prepared by the end of 2012	**(same as Output 2 of Component 2)** • Based on the rapid appraisal assessment on Marketing/Value added and agricultural extension activities for 3 representative subprojects, the Project prepared comprehensive approach plan for the value chain development. • As the 1st step, the Project conducted the 1st TOT workshop on Value Chain Development Activities on 11 to 14 September 2012 for concerned PPO, DCO staff. • Following the TOT, PPOs and DCOs collected marketing information from i) producers (farmers), ii) suppliers, iii) transporters, and iv) buyers. On this

	basis, 2nd TOT on Value Chain Development Activities for PPOs and DCOs were organized in March 2013. • Based on the results of the 2nd TOT, "Integrated Marketing Action Plan-Value Chain Development"- was prepared by GIC and translated into Lao. • Stakeholder meetings on "Integrated Marketing Action Plan" at each subproject were done in July 2013. • TOT on Cropping Patter Planning and Preparation of contract Farming was conducted at PAFO Bokeo on 14-15 October 2013. • Follow up of Contract Farming by FPGs was done by NPMO/GIC specialist from 19 to 28 February 2014 at 3 subprojects of Mongchao, Nam Bak and Nam Haad. • Contract farming is ongoing as a pilot in 3 subprojects (Mongchao – Komaene Road subproject, Nam Bak Irrigation subproject and Nam Haad Irrigation subproject. There are 3 specific crop production groups, Tea FPGs for Mongchao, Pumpkin FPGs for Nam Bak, and Rice FPGs for Nam Haad. Contract farming for the 2013-14 dry season: The evaluation meeting on the 2013-14 dry season was conducted in August 2014 in each province, as summarized below: ➢ 4 Tea FPGs (193 HHs) in Mongchao – Kormaen Road subproject: - Four (4) traders signed the contract farming of tea production with 4 Tea FPGs. - The amount of sold tea leaves to the investors/traders under the contract farming by 4 Tea FPGs was 51 tons of fresh leaves and 1.6 tons of dry leaves. ➢ 3 Pumpkin FPGs (75 HHs) in Nam Bak irrigation subproject: - One (1) trader signed the contract farming of pumpkin production with 3 Pumpkin FPGs. - The amount of sold products to the investor/trader under the contract farming by 3 Pumpkin FPGs was 2,365 tons with the value of 1,419,120,000 Kip. ➢ 4 Rice FPGs (68 HHs) in Nam Haad Right Bank irrigation subproject: - Three (3) traders signed the contract farming of rice production with 4 Rice FPGs. - The amount of sold products to the investor/trader under the contract farming by 4 Rice FPGs was 34.2 tons (14% of total production), and the amount of 138 .3 tons (56% of total production) was sold to the outside traders with a little bit higher price than that of the contracted traders. (See **Appendix 13**) Contract farming for the 2014-15 dry season: (Ongoing)
3. Pro forma public-private partnership agreements and associated arrangements prepared by the end of 2013	In line with the value chain development activities, the Project organized a FPG-Investor/Buyer Linking Forum in March 2013. The Project considers that this is the 1st step to promote active public-private partnership. Up to May 2013, the following five (5) policy/implementation papers (studies) were completed: (1) Policy discussion paper No.1: Private Sector Investment in Lao PDR (the Case of Contract Farming in Northern Rural Infrastructure Development Sector Project) (2) Liking NRI Smallholder Farmers to Markets (capacity building approach) (3) Toward the Promotion of Agro-Based SME: the Case of NRI Capacity Building Approach to Develop Small Farmers and Farmer Production Group to Entrepreneurship (4) Farmers' Marketing Management Forum: Concept Note (5) Resolving *Meso* Policy Issues for Greater Access to Markets and Value Chain Development: The Case of Northern Rural Infrastructure Project in Multi-Stakeholders' Marketing Forum. In September 2014, the Project (Policy Development Specialist) prepared a Policy Paper No.6 (Assessment Paper) on First Assessment of Contract Farming Activity, then organized a workshop seminar on Mainstreaming Policy Results for Agribusiness Development on 18-19 September 2014. The objectives of the seminar were: (1) to share the findings of the policy studies and relate them to the realization of establishing SAME (Small Agro and Medium Enterprise) in the subproject

	site; (2) to present the inclusive agribusiness model (i.e. rice seed production enterprise) in Nam Haad subproject and describe other SAME opportunities; (3) to allow the PMU/PPO staff for site observation of functional rice seed production enterprise in Vientiane Province and gather useful insights to initiate SAME in other subproject sites.
4. Agro-processing initiatives for selected commodities identified and supported on a pilot basis by the end of 2014	Based on the Value-Chain Development TOT, the Project identified two (2) agro-processing initiatives, i) Storage and drying floor in Nam Haad subproject, and ii) Tea processing house and equipment (Rollin machine and firing pans….) for 2 Tea Producer Groups (TPG) in Mong Chao subproject. The proposed agro-processing initiatives are approved by ADB in July 2013 and its procurement was completed under shopping process by PPOs. The construction works for the above two facilities were completed in February 2014. The assessment for these agro-processing initiatives will be done by GIC experts in October to November 2015 together with the assessment of the contract farming for 2014-15 dry season.
Component 3: Institutional Capacity Building	
[Outputs]: Capacity of national, provincial, and district agencies strengthened to enable a sector development approach	
1. The monitoring and evaluation section established in the Department of Planning, with a staff of at least 10 people, by December 2012	• The project achievement under this activity has been mainly to establish an M&E system at the project level. After the MTR, the Project provided support to the MAF's M&E Section to carry out 2 times of workshop trainings on ProMIS in the project's districts and provinces, 1st was done in August 2014 and 2nd was done in February 2015. • Aide Memoire of the ADB Review Mission, 14 to 28 November 2014 recommended the EA to discuss with the MAF ADB Review Mission, 14 to 28 November 2014 recommended the EA to m at the project level. After the MTR, the Project provided support to the MAF's M&E Section to carry o. • The EA proposed that the scope of the activities to support MAF's DOP Monitoring and Evaluation Section in NRIDSP should be finished up by completed two times support on the workshop training above. • The main reasons for above are: i) The concept to support MAF's DOP Monitoring and Evaluation Section was prepared during the PPTA for the NRIDSP. However, the circumstances have been changed recently. ii) The sector monitoring system should be urgently strengthen in the technical and operational areas. However, it would be difficult to implement effectively in the form of support by an implementation project, but should be implemented by an independent TA. iii) In order to accelerate the project achievements and to avoid confusion during the project implementation, the NRIDSP should more focus on a specific project target indicated in the PAM.
2. Thirty-three training courses conducted, with at least 30 % of participants being women, by December 2014	**(all the activities were completed, same as Q3-2014report)** As of March 2013, the Project revised the total number of training programs to be implemented 33 in total. Now, Thirty thee (33) training programs (both TOT and Practical) were completed with a total participants of 2,981 (NPMO, PPOs, and DCOs and Beneficiaries), comprised with female 855 (or 29%). Of those numbers 1,095 were NPMO, PPO and DCO staff. Among 1,095, 261 staffs (24%) were women.
[Activities]:	
1. Project impact monitoring facility established in Department of Planning by end 2012	**(same as Output 1 of Component 3)** NRI Project website was established on 30 November 2011, which can be one of the tools to share the information of the project activities with DOPC. M&e program supported by FAO has started in DOPC in February 2012. The NPMO with support by the GIC has tried to coordinate with FAO and dialogue with DOPC in establishing the Monitoring and Evaluation Unit in DOP with a practical sector monitoring system.

	The project achievement under this activity has been mainly to establish an M&E system at the project level. After the MTR, the Project provided support to the MAF's M&E Section to carry out 2 times of workshop trainings on ProMIS in the project's districts and provinces, 1st was done in August 2014 and 2nd was done in February 2015.
2. Six (6) joint policy development and technical studies undertaken with Policy Research Center in National Agriculture and Forestry Research Institute by 2016	**(same as Activity 3 of Component 2)** Up to September 2014, the following six (6) policy/implementation papers (studies) were completed: (1) Policy discussion paper No.1: Private Sector Investment in Lao PDR (the Case of Contract Farming in Northern Rural Infrastructure Development Sector Project) (2) Liking NRI Smallholder Farmers to Markets (capacity building approach) (3) Toward the Promotion of Agro-Based SME: the Case of NRI Capacity Building Approach to Develop Small Farmers and Farmer Production Group to Entrepreneurship (4) Farmers' Marketing Management Forum: Concept Note (5) Resolving *Meso* Policy Issues for Greater Access to Markets and Value Chain Development: The Case of Northern Rural Infrastructure Project in Multi-Stakeholders' Marketing Forum. (6) First Assessment of Contract Farming Activity under NRI Project. Based on the six (6) policy papers, the Project organized a Seminar on Mainstreaming Policy Results for Agribusiness Development on 18-19 September 2014. The objectives of the seminar were: (1) to share the findings of the policy studies and relate them to the realization of establishing SAME (Small Agro and Medium Enterprise) in the subproject site; (2) to present the inclusive agribusiness model (i.e. rice seed production enterprise) in Nam Haad subproject and describe other SAME opportunities; (3) to allow the PMU/PPO staff for site observation of functional rice seed production enterprise in Vientiane Province and gather useful insights to initiate SAME in other subproject sites.
3. Thirty-three (33) national, provincial, and district training workshop delivered and about 700 trainees trained by February 2016	**(all the activities were completed, same as MTR report)** Thirty three (33) training programs (both TOT and Practical) were completed with a total participants of 2,981 (NPMO, PPOs, and DCOs and Beneficiaries), comprised with female 855 (or 29%). Of those numbers 1,095 were NPMO, PPO and DCO staff. Among 1,095, 261 staffs (24%) were women.
Component 4: Project Implementation and Management	
[Outputs]: Efficient and effective delivery of subprojects and project management	
1. Five (5) key implementation consultants mobilized within 3 months of grant effectiveness	Completed: During the initial 2 months after kick-off of the Project in early August 2011, seven (7) key international consultants mobilized and work for the Project effectively. As of the end of March 2015, total of 86.9 p-m (84.3% of 103.1 p-m based on new revised of GIC input) of international and 200.2 p-m (80.9% of 247.3 p-m based on new revised of GIC input) of national consultant inputs were used. (See **Appendix 3**)
2. Project performance and monitoring system disaggregated by gender and ethno-linguistic group operational within 12 months of effectiveness	PBME system was established in 30 November 2011. PBME trainings were conducted on 20, 22 and 24 February 2012 in Phongsaly, Luang Namtha and Bokeo respectively with a total of 29 participants (2 women). In addition, follow-up trainings were organized on 14, 16 and 18 February 2013 for 3 irrigation subprojects at Nam Haad, Nam Dai and Nam Lane. NPMO, PPOs and DCOs' staff and beneficiary farmers attended the trainings to upgrade their PBME skills. PBME system is continuously being strengthened by PBME specialists of GIC through on-the-job training for preparing monthly progress report at PPO and NPMO level. Monitoring Data (dry season crop production 2012-13 and wet season crop production 2013) were collected for 8 irrigation subproject year 1. The dry season agriculture data 2013-14 were collected in August 2014.

3. At least 20% of NPO and PPO staff (excluding secretarial and administrative staff) are women	Comply with: There are 91 staff members assigned in total as of the end of September 2013 for 1 NPMO, 4 PPOs and 9 DCOs to manage NRI, among which 30 staff members (33%) are women excluding secretarial and administrative staff.
[Activities]:	
1. Management structures established and resourced by the first quarter (Q1), 2011	Completed: 1) MAF Minister's Agreement No.0566/MAF on establishment of National Steering Committee for NRI Project dated 11 February 2011. 2) MAF Minister's Agreement No. 0563/MAF on establishment of Project Technical Review Committee for the NRI Project dated 11 February 2011 3) MAF Minister's Agreement No.3148/MAF on establishment of Project Procurement Committee (PPC) for Goods, Civil Works and Consultant of NRI Project dated 13 August 2010.
2. Grant implementation consultants recruited by June 2011	Completed: The contract for the GICs was made on 6th June 2011 and mobilized on 1st August 2011.
3. Three (3) representative subprojects approved for implementation by Q3 2011	Completed: 3 representative subprojects (1st batch of Year 1) • Subproject Investment Reports (SIR) for the 3 representative subprojects were submitted to NPMO on 24 January 2012. • All the civil works for the 3 representative subprojects (1st batch of Year 1) have been implemented by February 2014.
4. About 12 subprojects approved for implementation by Q3 2012	Completed: 6 subprojects (2nd batch of Year 1) • The F/S reports for the 6 subprojects were approved on 23rd October 2012. • Subproject Investment Reports (SIR) for 6 subprojects (2nd batch of Year 1) were submitted and approved to NPMO on 30th November 2012. • Contract for construction works of six (6) subprojects were made in April 2013. • Among the 6 subprojects, 5 subprojects have been completed by 31 July 2014 and the remaining one (1) subproject (Houay Xo) was completed in the end of January 2015.
5. About 10 subprojects approved for implementation by Q3, 2013	Year 2 (9 subprojects): • The F/S reports for the 9 subprojects for Year 2 were approved by ADB in July 2013. • SIRs for Year 2 subprojects were submitted to NPMO for approval by PPC of NRI Project. • Contracts were awarded for all the 9 subprojects in Feb - March 2014. • As of 31 March 2015, among 9 subprojects, three (3) subprojects (Nam Pouk, Nam Haad Left, Phongseak) were completed. The progress of the civil works for the remaining 6 subprojects vary from 57% to 94% depending on the subproject scale and site conditions. Year 3 (8 subprojects): • The FS reports for 8 subprojects for Year 3 were approved by ADB on 02 February 2015. • The detailed design for Year 3 subprojects will be completed in April 2015.
6. Subproject implementation monitoring system developed and operational by the end of 2012	**(same as MTR report, ongoing)** • PBME system was established in 30 November 2011. • PBME trainings were conducted on 20, 22 and 24 February 2012 in Phongsaly, Luangnamtha and Bokeo respectively with a total of 29 participants (2 women). • In addition, follow-up trainings were organized on 14, 16 and 18 February 2013 at Nam Haad, Nam Dai and Nam Lane subprojects' site. NPMO, PPOs and DCOs' staff and beneficiary farmers attended the trainings upgrade their PBME skills. • PBME system covers "subproject implementation monitoring system", which will monitor all the main activities of subproject implementation of Component 1 and 2. • PBME system is continuously being strengthened by PBME specialists of

	GIC through on-the-job training for preparing monthly progress report at PPO and NPMO level. • Based on the PBME system, all the required reports such as quarterly reports and annual PBME reports have been timely submitted to the relevant organizations including ADB.
7. Project completion report prepared by Q4, 2016	Not yet due.

Key Assumption/Risks (Input-Output)	**Assessment of Current Status**
1. Priority infrastructure is identified by beneficiaries and selected for the project financing. (Assumption)	**(same as Annual Progress Report 2014)** • All the subprojects were initially proposed by the province through the provincial planning process based on the provincial five-year economic development plan. • The Project authorized in the form of the Subproject Eligible List in the grant agreement. • The revised Subproject Eligible List was approved by ADB on 15 May 2012. [9 subprojects of Year 1]: • The 9 subprojects of Year 1 were selected from the 1st priority subprojects of each district in the Subproject Eligible List. • As part of the feasibility study for the selected subprojects, before finalizing the feasibility study report, the stakeholder meetings were conducted to explain the preliminary design to the beneficiaries in 9 subprojects of Year 1 from 15 to 27 February 2012 (including 3 representative subprojects). • As part of the detailed design, the concept design were presented to the stakeholders on 16 May for Mongchao road, 28 May for Nam Haad irrigation, and 30 May 2012 for Nam Dai irrigation subprojects respectively and approved. [9 subprojects of Year 2]: • During the identification stage for Year 2 subprojects, the provincial government of Pongsaly proposed to modify the priority in the Subproject Eligible List. • ADB approved to revise the Subproject Eligible List on 15 May 2012. • All the 9 subprojects of Year 2 were identified from the 2nd priority subprojects of each district in the Subproject Eligible List. • At the beneficially level, the village consultations to identify the Year 2 subprojects at all the 9 subproject sites were completed during 02 to 21 July 2012. • Stakeholder meeting for presentation of the concept of the feasibility study was conducted in 10 – 29 June 2013. • Stakeholder meeting for presentation of detail design was conducted in 02 – 23 November 2013. [8 subprojects of Year 3]: • Priority of the 9 subprojects of Year 3 in the Eligible List was confirmed. Identification was completed in April to May 2013. Village consultation was conducted in 10 – 29 June 2013. • Final Selection for Year 3 implementation was proposed by the Project and approved by ADB on 27 June 2014. • Among 9 subprojects of Year 3, "Baka Noy Road subproject in Phongsaly district" was excluded from the list of Year 3 subprojects, because it does not meet the selection criteria. • The FS reports for 8 subprojects for Year 3 were approved by ADB on 02 February 2015.
2. Catastrophic climatic events interrupt implementation. (Risk)	Not at risk presently.
3. Natural disasters damage infrastructure. (Risk)	Not at risk presently.
4. Producers appreciate the benefits to be achieved from cooperative action. (Assumption)	• Yes. The project completed the establishment of WUGs for 8 subprojects of Year 1 by August 2012 with the authorization of the district governor. The WUG registration is the 1st step for strengthening of the farmers' group activities. The role of WUG will be gradually extended from only performing irrigation services to their members to become market oriented organizations through strengthening their capacity. • Contract farming is ongoing as a pilot in 3 subprojects (Mongchao – Komaene Road subproject, Nam Bak Irrigation subproject and Nam Haad Irrigation subproject with coordination by the Project including PPO, DCO and other stakeholders. There are 3

	specific crop production groups, Tea FPGs for Mongchao, Pumpkin FPGs for Nam Bak, and Rice FPGs for Nam Haad. • The evaluation meeting on the results of the contract farming for the 2013-14 dry season was conducted in August 2014 in each province, where the cooperative action by PPO, DCO and other stakeholders played very important and effective roles each others. • The assessment of the results of the contract farming for the 2014-15 dry season will be conducted in October to November 2015 by GIC experts.
5. Government registration procedures and high transaction costs limit interest in private investment. (Risk)	Not at risk presently.
6. Foreign private processors respond to new competition by providing cross subsidies that undermine the viability of local processing. (Risk)	Not at risk presently.
7. An appropriate amount of technical assistance is made available to the Department of Planning. (Assumption)	Yes
8. The Department of Planning cannot identify suitably experienced and qualified staff to manage the operations of the monitoring and evaluation section. (Risk)	No at risk presently.
9. The NPMO and PPOs can identify and appoint qualified staff to manage and implement subprojects. (Assumption)	Yes
10. Provincial absorption capacity is insufficient. (Risk)	Not at risk presently.
11. Staff turnover is frequent. (Risk)	Not at risk presently.
12. The availability of qualified staff is limited. (Risk)	Not at risk presently.

6.2 Major Problems with IP

Description	Action Taken/Proposed
None	All the issues concerned during the project implementation are usually discussed with ADB officers by email and clarified during the ADB Mission review took place.

6.3 Future Plan for the next Quarter

Description	Action Taken/Proposed
1. Future plan for the next Quarter (April – June 2015)	**[Component 1]:** Three (3) representative subprojects of Year 1 (1st batch): 1. Following up the civil work during Defect Liability Period and repair (if any), delivery certificate. Six (6) subprojects of Year 1 (2nd batch): 1. Following up the civil works during Defect Liability Period and repair (if any), delivery completion certificate. Nine (9) subprojects of Year 2: 1. Construction works are continuing and will be completed by June 2015. 2. Following up the civil works during Defect Liability Period and repair (if any), delivery completion certificate. Eight (8) subprojects of Year 3: 1. Detail design of the 8 subprojects of Year 3 will be completed in Q2/2015. 2. Stakeholder meetings in May 2015 to explain preliminary design to the beneficiary villagers. 3. Bidding of the 8 subprojects of Year 3 will be done Q2-Q3/2015 4. Construction of the 8 subprojects of Year 3 will be done Q4/2015-Q2/2016 **[Component 2 and 3:]** 1. WUG/WUA and VRMC: - Continue to follow up PPO and DCO on preparation for Irrigation O&M specific manual for the remaining Year 2 each subproject and delivery O&M OJT for WUG

	and farmers. - Organize the WUG of 8 subprojects Year 3: April – June 2015 - Preparation of Irrigation Management Transfer (IMT): Year 1 subprojects expect to start in May 2015 (After defect liability period completed). - Register WUG to be WUA: Year 1 subprojects expect to start in May 2015 (After defect liability period completed). - Continue to follow up the WUGs of completed Year 1 subprojects to start collecting ISF for sustainable O&M. 2. Community Development: - Continue to follow up the monitoring and assessment of ongoing "Chicken Raising Program" as one of Gender Development / Indigenous People Activities. - Continue to follow up PPO and DCO to conduct awareness campaign on Gender/ Indigenous, HIV prevention and Sanitation Hygiene for subproject Year 3 villages. 3. Catchment management: - Continue to conduct and follow up PPO and DCO in i) collecting Irrigation GIS data, ii) developing the remaining Irrigation Block Map (Y2 and Y3), and iii) preparing Catchment Management Plan. - Following PPO and DCO to continue to organize public stakeholder workshops for the remaining subprojects of Year 2. 4. Value Chain Development: - Continue to support / monitoring PPO and DCO and other concerned organization (district and Provincial industry and commerce office) on Contract farming for the Year 1, 2 and 3 subprojects. - Follow up PPO using of storage and drying floor in Nam Haad subproject, and Tea processing house and equipment (Rollin machine and firing pans) for 2 Tea Producer Groups (TPG) in Mong Chao – Komaen subproject (dry season 2014-15). - Follow up PPO/DCO for establishing SAME of Nam Haad Rice Seed Production Enterprise Pilot Model. 5. Agricultural Extension: - Follow up 2014-15 dry season demonstration farming for Year 2 and Year 3 subprojects in 4 provinces including Oudomxay and preparation reporting of demonstration result; - Support PPO and DCO in monitoring and reporting of 2014-15 dry season agriculture demonstration and farmer training; - Follow up PPO and DCO on the Farmer Study tour for Your 3 subproject. **[Component 4:]** 1. Social and Environmental Safeguard Monitoring: - Follow up/check the draft report of 1st Safeguard Monitoring for 2015, which will be carried out in May to June 2015. 2. GIC will continue to support NPMO, PPO and DCO on project implementation arrangement and monitoring. 3. Data collection and Preparation of: - Continue to monitor PPO and DCO to finished PBME wet season cropping data 2014 and dry season 2014-15. **[Small PPTA for Additional Financing]** 1. Feasibility Study on 2 representative subprojects in Oudomxay province for the S-PPTA for Additional Financing. 2. A study of the emerging impacts of the subprojects that have been completed for more than a year. 3. Longlist for Year 4 and 5 in 4 provinces. 4. Impact assessment of the EGDP for Year 1 and 2 Subprojects. 5. Work for ADB review mission (NRI review mission and S-PPTA inception mission) [National Project Steering Committee Meeting] 1. Preparation of Presentation Materials for the NPSC meeting

7. Covenants

7.1 Covenants for Project Implementation and Other Matters

Description	Status of Compliance
I. Particular Covenants	
Section 4.02: (a) The Recipient shall (i) maintain, or cause to be maintained, separate accounts for the Project; (ii) have such accounts and related financial statements audited annually, in accordance with appropriate auditing standards consistently applied, by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB; (iii) furnish to ADB, as soon as available but in any event not later than 6 months after the end of each related fiscal year, certified copies of such audited accounts and financial statements and the report of the auditors relating thereto (including the auditors' opinion on the use of the Grant proceeds and compliance with the financial covenants of this Grant Agreement as well as a separate opinion on the use of the procedures for imprest account/statement of expenditures), all in the English language; and (iv) furnish to ADB such other information concerning such accounts and financial statements and the audit thereof as ADB shall from time to time reasonably request.	The audited report for FY2012/ 2013 was submitted to ADB on 28 March 2014. The audited report for FY2013/ 2014 was submitted to ADB on 27 March 2015.
Section 4.02: (b) The Recipient shall enable ADB, upon ADB's request, to discuss the Recipient's financial statements for the Project and its financial affairs related to the Project from time to time with the auditors appointed by the Recipient pursuant to Section 4.02 (a) here above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB, provided that any such discussion shall be conducted only in the presence of an authorized officer of the Recipient unless the Recipient shall otherwise agree.	Not yet due
Section 4.03: The Recipient shall enable ADB's representatives to inspect the Project, the goods financed out of the Grant, and any relevant records and documents.	Up to date, 4 times of ADB review mission and Mid-term review have been conducted properly. The latest ADB mission Review conducted on 14-28 Nov. 2014
II. Schedule 4	
Implementation Arrangements	
1. The Recipient shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after approval of such change by Recipient and ADB. In the event of any discrepancy between the PAM and this Grant Agreement, the provisions of this Grant Agreement shall prevail.	The Project staffs well understand the PAM and all the implementation arrangements have been done properly in accordance with the PAM.
Sector Policy	
2. Within 24 months of the Effectiveness Date, the Recipient, through MAF, shall prepare, and submit to concurrence, a detailed implementation plan for the Recipient's Strategy for Agriculture Development 2011-2020 for the firs five-year period, clearly indicating activities to support achievement of each goal, performance indicators, time frame, indicative budget and sources. In particular, such implementation plan shall include: (a) better management of agriculture and forestry land; (b) development of nationwide irrigation system and related rural road network; (c) effective agricultural extension system; (d) strengthening of private sector participation in agriculture business including simplified and transparent registration and licensing of private investors; and (e) more liberalization of trade in agricultural products.	Strategy for Agriculture Development 2011-2020 (Final, dated 30 August 2013) was submitted to ADB.
Environment	
3. The Recipient shall ensure that the Project facilities are constructed and operated in compliance with the Recipient's applicable environmental laws and regulations and ADB's Safeguard Policy Statement (2009), and that no Subproject with significant adverse environmental impacts is financed under the Project. In particular, the Recipient shall ensure that Subprojects are carried out in accordance with environmental assessment procedures provided in the Framework for Environmental Assessment and Measures, and the respective Subproject Environmental Management Plans.	6 subprojects (2nd batch of Year 1): • Following the ADB guideline, IEE was conducted for all the 6 subprojects, and found that all the subprojects would not cause significant negative environmental impacts, thus are categorized as Category B. • IEE and EMP for all the 6 subprojects were prepared and submitted to Provincial NRE, all the certificates of which were issued by PONRE. • The GIC national environment specialist is now following up PPOs and DCOs on the implementation of EMP for all the 9 subprojects of Year 1. • Environmental and Safeguard monitoring was conducted by National University of Lao as an external entity in May 2013, ant the 1st report was submitted to ADB on June 2013, the 2nd report was submitted in end September 2013, and 3rd report was submitted in February 2014.
4. The Recipient shall ensure that no Subproject which meets the ADB's Category A environmental criteria as defined under the *Safeguard Policy Statement*, is included in the List of Eligible Subprojects, and that no Subproject with Category A	

environmental criteria is financed under the Project.	Year 2 (9 subprojects): • Public consultation for IEE and public awareness raising for the beneficiary villages at 9 subproject sites were completed by NPMO, PPOs, DCOs and GIC during 28 August to 27 September 2012. • IEE and EMP for Year 2 subprojects were prepared in the F/S, and approved by ADB in July 2013. • 9 subprojects Y2 IEE and EMP were submitted to Provincial NRE and approved in end of March 2014 (detail see project website http://nri-lao.org/) Year 3 (8 subprojects): • Draft IEE and EMP for Year 3 subprojects, submitted to ADB on 22 September 2014, then the revised reports were prepared based on the ADB comments, which were approved by ADB on 03 February 2015.
Involuntary Resettlement	
5. The Recipient shall ensure that no Subprojects which meets the Involuntary Resettlement Category A, is included in the List of Eligible Subprojects, and that no Subproject with the Involuntary Resettlement Category A is financed under the Project.	[3 representative subprojects (1st batch of Year 1)]: • The Land Acquisition and Resettlement Plan for the 3 subprojects have been prepared by PPTA at the feasibility study level. • The updated LACPs were prepared based on the detailed design and submitted to ADB for review and comments, and for approval on 12 October 2012. • The final updated LACPs were submitted to ADB for final approval on 24 June 2013. [6 subprojects (2nd batch of Year 1)]: • Among 6 subprojects, only one subproject of Houay Xo has expected resettlement impacts of very limited to a very small area of rounded 1,000 m^2 of 5 agricultural plots with no impacts on trees and crops. The land acquisition would affect 1.4% of the total land cultivated by 5 households with their 21 family members. Therefore, this subproject has only very little and non-significant land acquisition and compensation. • Other 5 subprojects have no expected resettlement impacts. • The GIC prepared the updated LACPs after the detailed design and completed in the middle of April 2012. • The revised F/S of 2nd batch of Year 1 was approved by ADB on 23 October 2012 which LACPs is a apart of the F/S that approved • The final updated LACPs were submitted to ADB for final approval on 24 June 2013. • The ADB approved updated LACPs for 6 subprojects which do not involve involuntary resettlement impacts, namely Hong Kong, Nam Ma Oune, Mong-chao-Komaen, Nam Lan, Nam Ou, and Nam Tin subprojects, dated 24 September 2013. • The remaining 3 subprojects (Nam Dai, Nam Haad, and Houay Xo) were approved after verification of the process and documentation undertaken regarding voluntary land donation during the review mission in October 2013. [9 subprojects Year 2]: • Draft F/S reports for Year 2 subprojects including LACPs were submitted to ADB on 05 April 2013. • Revised final draft F/S reports for Year 2 were submitted to ADB on 28 June 2013 for approval, and approved on 18 July 2013, LACPs of which is a part of the F/S. • The NPMO submitted a letter to ADB dated 18 February 2014 requesting the ADB approval of Updated LAC reports of Year 2. • The NPMO submitted a letter to ADB dated 18 March 2014 requesting the ADB approval of Final Updated LAC reports of 6 subprojects Year 2. • The final updated LACPs subprojects Y2 were submitted to ADB for final approval on August 2014, then approved. [8 subprojects Year 3]: • Draft FS report for Year 3 subprojects including LACPs, submitted to ADB on 22 September 2014. • Based on the ADB comments, the revisions were made, then, those revised FS reports (Year 3) were approved on 03 February 2015.
6. Prior to the commencement of any resettlement activities under a Subproject with any involuntary resettlement impacts, the Recipient shall prepare or update, as the case may be, and submit to ADB for approval, the relevant resettlement plans in accordance with the Resettlement Framework, the Recipient's relevant laws and regulations and ADB's *Safeguard Policy Statement.*	
7. The Recipient shall not issue a notice to commence Work in a particular Subproject with any resettlement impacts, until (a) compensation payment and relocation of the affected people in such particular Subproject, if any, have been completed satisfactorily in accordance with the respective resettlement plan; (b) rehabilitation assistance has been in place; and (c) such subproject is free of all encumbrances.	

	[Updated Resettlement Framework]: • Based on ADB request, we, the Department of Planning and Cooperation (DOPC), MAF submitted the proposed Updated Resettlement Framework to the Department of Environmental and Social Impact Assessment (DESIA), MoNRE on 25 December 2013. • After further explanation of this matter to DESIA in January and February 2014, we have received the concurrence letter dated 26 February 2014, and submitted it to ADB together with non-literal translation in to English on 27 February 2014.
8. The Recipient shall also ensure that **a grievance mechanism** acceptable to ADB is established for affected people in the districts where the resettlement activities under the Project are carried out.	• The Committees of different roles for grievance have been formed at levels (province, district and village/community) during 2011-2012. • The key roles of the committees are to coordinate and mitigate the negative impacts on environment, land acquisition and compensation, socio-economic, culture and livelihood of the communities; which would be caused by subprojects' activities. • This is to ensure the compliance with ADB policy and relevant Lao PDR's regulations regarding the environmental and social safeguards. • During the project implementation, such impacts are continuously monitored and followed-up by the Project.
Indigenous Peoples and Vulnerable Groups	
9. The Recipient shall ensure that Subprojects do not adversely affect ethnic minorities, households headed by women, disabled, elderly or other similarly vulnerable groups, and that rights and needs of ethnic minorities are fully addressed in accordance with ADB's *Policy on Gender and Development* (1998) and *Safeguard Policy Statement*. In particular, the Project shall be carried out in accordance with the Indigenous Peoples Planning Framework.	6 subprojects (2nd batch of Year 1): • Indigenous People's Plan (IPP) for each subproject was developed for each subproject based on the IPPF for NRI. • Details on the issues of Indigenous Peoples and Vulnerable Groups are presented in each feasibility study report, which was submitted to ADB on 04 April 2012 for review and concurrence. • The Project received ADB comments on the draft IPP on 23 April 2012. • Referring to the ADB comments on 23 April 2012, the Project conducted TOT training on "Gender/Indigenous Peoples and Vulnerable Groups" including identification of actual needs by women on 30-31 August 2012. • Gender, Indigenous and Sanitation Hygiene Awareness, and HIV prevention Campaign" at 9 subproject's villages of Year 1 are completed. • Based on the ADB comments on 23 April 2012, the Project submitted the revised F/S including revised IPP to ADB on 05 September 2012 for approval. • The revised F/S of 2nd batch of Year 1 was approved by ADB on 23 October 2012. 9 subprojects (Year 2): • Draft F/S reports for Year 2 subprojects including IPP were submitted to ADB on 05 April 2013. • Revised final draft F/S reports for Year 2 were submitted to ADB on 28 June 2013 for approval, and approved on 18 July 2013. 8 subprojects (Year 3): • Para.41 in Aide Memoire of MTR mission says that there is a need to enhance the social impact assessments for ethnic groups done during the feasibility study stage to help determine (i) differential impacts on ethnic groups' way of life, traditions and practices, socio-economic wellbeing etc. and (ii) culturally appropriate mitigation and/or enhancing measures. • Based on the ADB suggestions above, the Project completed preparing Ethnic Group Development Plan, which are included in the F/S for Year 3 subprojects and submitted to ADB in September 2014. • Final revisions on the EGDPs were made and submitted to ADB on 20 December 2014 and approved on 09 January 2015. • The Project is now planning to conduct SIA on the ethnic groups for Year 1 and 2 subprojects with consultation with an ADB safeguard officer.
10. The Recipient shall ensure that no Subprojects which has have significant impacts on ethnic minorities, is included in the List of Eligible Subprojects, and that no Subproject with such impacts is financed under the Project. For Subprojects in which ethnic minorities are present and affected, an indigenous peoples plan shall be prepared in accordance with the Indigenous Peoples Planning Framework.	
11. The Recipient shall ensure that (a) measures to improve the welfare of ethnic minorities are build into the overall Subproject design where the ethnic minority population exceeds 60%; and (b) no negative impact on such ethnic minorities is expected.	
Gender and Development	
12. The Recipient shall ensure the Subproject specific gender action plans, to be prepared in accordance with the Project-wide Gender Action Plan, are fully implemented in a timely manner.	6 subprojects (2nd batch of Year 1): • A Gender Action Plan was developed for each subproject based on the Project-Wide Gender Action Plan. • The main concern of the plan is the promotion of the involvement of women in subproject activities and their representation in the village administration committees/units and village organizations.
13. The Recipient, through MAF, shall ensure that the gender mainstreaming activities are (a) incorporated into the Project	

design and undertaken during project implementation; and (b) monitored by the Division Advancement of Women within MAF. Such activities shall include (a) women's participation in the consultation and participatory process through the inclusion of representatives of the kumban sub-Center for the Advancement of Women or Lao Women's Union, and having at least 20% of female staff in NPMO and PPOs of each level of their administrative structures; (b) the opportunity for women to participate in Subproject construction activities on the basis of equal pay for work of equal value, and having provisions in the Works contracts providing at least 30% of construction workers are women; (c) the opportunity for women to participate in post-construction Subproject operation and maintenance activities on the basis of equal pay for work of equal value, and at least 30% of women's participation I the respective water user groups and their management, and all the subproject management committees; (d) pro-poor activities specifically focused on women's needs; (e) equal opportunity for men and women to attend training courses and sessions under Component 3: (f) the inclusion of a social specialist in the Project implementation consulting team to address gender issues; and (g) the use of gender-disaggregated data in the benefit monitoring aspects of Project monitoring and evaluation.	• In the case of this Project, 30% women representation in the WUA Executive Committee is specified, as well as attendance in subproject consultation forums, meetings, trainings and study tours. • Detailed on the issues of Gender and Development are presented in each feasibility study report, which was submitted to ADB on 04 April 2012 for review and concurrence. • The Project received ADB comments on the draft IPP on 23 April 2012. • Referring to the ADB comments on 23 April 2012, the Project conducted TOT training on "Gender/Indigenous Peoples and Vulnerable Groups" including identification of actual needs by women on 30-31 August 2012. • Through the Gender/Indigenous TOT, a chicken raising program by women groups was identified as one of the options for gender activity plan. • The project has commenced activities for the chicken raising in 9 villages in 3 provinces (Phongsaly: 4 villages, Luang Namtha: 1 village and Bokeo: 4 villages). • Based on the ADB comments on 23 April 2012, the Project submitted the revised F/S including revised IPP to ADB on 05 September 2012 for approval. • The revised F/S of 2nd batch of Year 1 was approved by ADB on 23 October 2012. 9 subprojects (Year 2): • Draft F/S reports for Year 2 subprojects including GAPs were submitted to ADB on 05 April 2013. • Revised final draft F/S reports for Year 2 were submitted to ADB on 28 June 2013 for approval, and approved on 18 July 2013. 8 subprojects (Year 3): • 1st Draft FS report for Year 3 subprojects including GAPs, submitted to ADB on 22 September 2014. • Based on the ADB comments, the revisions were made, then, those revised FS reports (Year 3) were approved on 03 February 2015. GAP Monitoring Table: During the ADB review mission 14-28 November 2014, a Gender expert of ADB commented on Women's participation on WUG committee member: The Project re-visited all the Year 1 and 2 subprojects to ensure 30% participation of women in each WUG. Now all the subprojects Year 1 &2 reached more than 30% of women's participation as summarized in the table below and detailed in **Appendix 6.** (as of March 2015)
Governance and Anticorruption	
14. The Recipient (a) acknowledges ADB's right to investigate, directly or through its agents, and alleged corrupt, fraudulent, collusive or coercive practices relating to the Project; and (b) agrees to cooperate, and shall cause the Project Executing Agency, and all other Recipient's offices, organizations and entities involving in implementing the Project to cooperate, fully with any such investigation and to extend all necessary for the satisfactory completion of any such investigation. In particular, the Recipient shall ensure that (a) periodic inspections of the Project contractor's activities related to fund withdrawals and settlements are carried out; (b) relevant provisions of ADB's Anticorruption Policy (1998, as amended to data) are included in all bidding documents for the Project; and (c) contracts, financed under the Project, include provisions specifying the right of ADB to audit and examine the records and accounts of MAF and Project provides, contractors, suppliers, consultants, and other service providers as they relate to the Project.	Project acknowledges this issue.
15. Within 2 months of the Effective Date, MAF shall create a Project website, accessible by the general public, to disclose information about various matters concerning the Project, including general project information, procurement, project progress, and contact details in the English and Laotian languages. The website shall also provide a link to ADB's Integrity Unit (http://www.adb.org/Integrity/complaint.asp) for reporting to ADB any grievances or allegations of corrupt	• The Project has established a Project Website in December 2011, the address of which is http://www.nri-lao.org/ • The Project is now updating the information on the website regularly.

practices arising out of the Project and Project activities. With regards to procurement, the website shall include information the list of participating bidders, name of the winning bidder, basic details on bidding procedures adopted, amount of contract awarded, and the list of Goods, Works and Consulting Services procured.	
Subproject Eligibility and Priority	
16. Except as provided in paragraph 19 of Grant Agreement below, the Recipient shall ensure that only candidate subprojects listed in the List of Eligible Subprojects are considered for financing under the Project.	[Year 1 subprojects]: • Proposed 6 subprojects for the 2nd batch of Year 1 are selected from the List of Eligible Subprojects following the district priority.
17. The Recipient shall ensure that candidate subprojects in each Project province are taken up in the order to priority indicated in the List of Eligible Subprojects, and shall carry out feasibility studies and detailed design for such candidate subprojects.	[Year 2 subprojects]: • During the identification stage for Year 2 subprojects, the provincial government of Pongsaly proposed to modify the priority in the Subproject Eligible List. • ADB approved to revise the Subproject Eligible List on 15 May 2012. • Then, all the 9 subprojects of Year 2 were identified from the 2nd priority subprojects of each district in the Subproject Eligible List. [Year 3 subprojects]: • Priority of the 9 subprojects of Year 3 is confirmed by stakeholder. Identification was completed in May 2013, and village consultation was conducted in June 2013. • All the 9 subprojects of Year 3 were identified from the priority subprojects of each district in the Subproject Eligible List. • Final Selection for Year 3 implementation was proposed by the Project and approved by ADB on 27 June 2014. Among 9 subprojects of Year 3, "Baka Noy Road subproject in Phongsaly district" was excluded from the list of the first batch of Year 3 subprojects, because it does not meet the selection criteria.
Feasibility Study Review	
18. After completion of the feasibility studies as mentioned in paragraph 17 above of Grant Agreement, candidate subprojects shall be reviewed by NPMO, and shall be taken up for physical implementation only if they meet the following criteria: (a) a Subproject is shown to be technically feasible and the expected benefits have been clearly identified. If the estimated economic rate of return is below 12%, a significant level of unquantifiable benefits will have been documented; (b) procurement packages as well as the methods of procurement and cost estimates have been clearly identified and recorded, and all sources of funding have been identified and agreed/confirmed; (c) the relevant Subproject investment report contains a detailed financing plan for operation and maintenance, including: the operations entity is specified, and both a sufficient budget amount and corresponding source of funding are specified and agreed upon by the relevant Project province and other concerned parties; (d) public hearings on the Subproject proposal have been held in concerned kumbans, and measures for future public consultation and supervision; (e) a Subproject is shown to have no significant negative environmental or social impacts, and mitigation measures have been defined for minor impacts; (f) a Subproject is shown to have no significant resettlement impacts, and if such Subproject is categorized as Category B, a resettlement plan has been prepared in accordance with the Resettlement Framework, and the Recipient's laws and regulations, and ADB's *Safeguard Policy Statement*; and (g) where necessary, a Resettlement Plan and an Indigenous People's Development Plan have been prepared.	• The Project is following this process for the 3 representative subprojects (1st batch of Year 1) and 6 subprojects (2nd batch of Year 1), 9 subprojects of Year 2, and 8 subprojects of Year 3. • Feasibility study reports for the 6 subprojects (2nd batch of Year 1) were submitted to ADB on 04 April 2012 and approved. • Feasibility study reports of 9 subprojects of Year 2 were drafted and submitted to ADB in April 2013, and final revision based on ADB comment was submitted to ADB on 28 June 2013 for approval, and approved on 18 July 2013.. • 1st draft FS report for Year 3 subprojects was submitted to ADB on 22 September 2014. The revisions were made based on the ADB comments and then the final revisions of the FS reports were approved by the ADB on 03 February 2015.
19. In case that a candidate subproject does not meet the criteria provided in paragraph 18 above, it shall be replaced by the next priority candidates subproject for the respective Project province under the List of Eligible Subprojects. If candidate subprojects not listed in the List of Eligible Subprojects are to be considered for financing under the Project, they shall be	Not yet

<table>
<tr><td>examined and screened by MAF with the support from and independent consultant acceptable to both ADB and the Recipient, and submitted to ADB for approval.</td><td></td></tr>
<tr><td colspan="2">Community Awareness and Beneficiary Participation</td></tr>
<tr><td>20. The Recipient, through MAF, shall ensure that Project provinces promote active community awareness and stakeholder participation in the design, implementation and performance monitoring of Subprojects. Those shall include (a) disseminating the nature of the proposed Works in open public forums, and (b) establishing a mechanism for public consultation. Bidding documents financed under the Project shall include provisions to ensure contractors' preferential hiring of local labor and to comply with the Recipient's labor Law regulations including guaranteeing equal opportunities for female workers to work with the principle of equal pay for work of equal value.</td><td>The Project is following this process for the 3 representative subprojects (1st batch of Year 1), proposed 6 subprojects (2nd batch of Year 1), 9 subprojects (Year 2), then 9 subprojects (Year 3).

[3 subprojects, 1st batch of Year 1]
• As part of the detailed design, the concept design were presented to the stakeholders on 16 May for Mongchao road, 28 May for Nam Haad irrigation, and 30 May 2012 for Nam Dai irrigation subprojects respectively and approved.
• Section 8: Particular Conditions of Contract in the bidding documents for the 3 subprojects indicate that Local contractors should ensure the use of local labor, and should employ at least 15% women in construction/rehabilitation works.

[6 subprojects, 2nd batch of Year 1]
• For finalizing the feasibility study reports for 6 subprojects, the stakeholder meetings were conducted to explain preliminary design to the beneficiary villagers from 15 to 27 February 2012.

[9 subprojects of Year 2]
• For finalizing the feasibility study reports for 9 subprojects, the stakeholder meetings were conducted to explain preliminary design to the beneficiary villagers from 10 to 29 June 2013, and stakeholder for presentation detail design was conducted in 02-23 Nov. 2013.

[8 subprojects of Year 3]
• The NPMO and relevant PPO/DCO are planning to conduct the stakeholder meetings in May 2015 to explain preliminary design to the beneficiary villagers.</td></tr>
<tr><td colspan="2">Operation and Maintenance of Project Facilities</td></tr>
<tr><td>21. The Recipient shall ensure that within 24 months of Effective Date, each project province executes with MAF a memorandum of understanding, acceptable to ADB, providing such province shall (a) prepare a maintenance management plan that includes estimates of the Works and associated costs required for routine and periodic maintenance, as well as provisions for emergency repairs for the whole life of the Project facilities; (b) include the maintenance management plans in its annual budgets; (c) provide adequate funds in a timely manner from provincial budget to implement the maintenance management plan; and establish mechanisms for the safe and proper use for each of the Project facilities in accordance with national regulations and practice, such as posting signs on roads and bridges of maximum weight limits, and as necessary to alert users of hazards or establishing physical barriers prohibit vehicles with above a certain size to pass.</td><td>Specific MOU between MAF and Provincial Authority (representative by PAFO) have been prepared for 3 subproject (as pilot for Nam Haad Irrigation, Nam Dai Irrigation and Nan Lan Irrigation), and signed. The Objective is to ensure the role and responsibility in O&M (routing, periodic, and emergency) and allocate budget.

Detail is as summarized below:
<table><tr><th colspan="2">O&M Works</th><th>Responsible Organization</th><th>Financial Resources</th></tr><tr><td>1</td><td>Routine maintenance and operation (minor repairs)</td><td>WUG/ WUA</td><td>ISF (Irrigation Service Fee)</td></tr><tr><td>2</td><td>Periodic maintenance (restoration/ major repairs)</td><td>WUG/WUA + DAFO</td><td>Provincial Budget/ and some parts of available ISF</td></tr><tr><td>3</td><td>Emergency repairs in case of natural disasters</td><td>DAFO + PAFO</td><td>National/ Provincial Budget</td></tr></table>In term of annual budget for O&M have been agreed as below:
(1) The routine maintenance and operation works are responsible of WUG using the fund of Irrigation Service Fee (ISF)
(2) The periodic maintenance works are responsible of WUG and DAFO using the provincial budget with some parts of ISF which is budget is estimated about 2% of the direct cost should be allocated by provincial in annually.
(3) For emergency repairs in case of natural disasters are responsible of DAFO/PAFO using the provincial and/or national budget

The same process of MOU will be done for the remaining subprojects of Year 1 and 2, when the defect liability is certified.</td></tr>
<tr><td colspan="2">Monitoring of Project Benefit and Resettlement</td></tr>
<tr><td>22. Within 12 months of the Effective Date, MAF, through NPMO, shall execute a contract with suitable qualified institutions such as social science institutes, universities, consulting firms, NGOs or other institutions acceptable to ADB, for Project benefit monitoring and the monitoring of the implementation of the resettlement plans. Such contract shall be submitted to ADB, and regular reports from the contracted institution shall be included in the quarterly reports to be submitted to ADB.</td><td>The Faculty of Environmental Science, National University of Lao was engaged in safeguard monitoring for 2013 (9 subprojects of Year 1 subproject):
• 1st field visit was taken place in May 2013 and 1st safeguard report was prepared and submitted to ADB on 03 July 2013;
• 2nd field visit was taken place in August 2013 and 2nd safeguard report was prepared and submitted to ADB on 2 October 2013; and
• 3rd visit was taken in November 2013 and 3rd safeguard report was submitted to ADB on 4 March 2014.

Procurement of External Safeguard Monitoring Entity for 2014 (18 subprojects,</td></tr>
</table>

	Year 1 and 2) is completed in May. • 1st field work of Safeguard Monitoring for 2014 was carried out in June 2014 and 1st Safeguard Monitoring report submitted to the Project in end July 2014. • 2nd field work of Safeguard Monitoring for 2014 was carried out in December 2014, and 2nd Safeguard Monitoring report was submitted to the EA in February 2015. Procurement of External Safeguard Monitoring Entity for 2015 and 2016 (Package 7-3) in ongoing under CQS.

7.2 Major Problems/Remarks/Issues with Covenants

Description	Action Taken/Proposed
None	

Appendixes

Tables

NRI

Northern Rural Infrastructure Development Sector Project

ADB Grant No. 0235-LAO (SF)

Table 1 Financial Progress Report

For the Period: From January to March 2015

Cat.	Description	Fund Allocation			Current	Year to	Cumulative	Weight			Fund
		Category	Subcategory	Weight	Quarter	Date		Curr	YTD	Cumulative	Balance
	ADB Fund										
1	Works	13,403,600									
1A	Contract		12,023,200	48.82	630,965.46	785,215.54	6,541,358.26	5.25	6.53	54.41	5,481,842
1B	SVGN and Const. Supervision		1,380,400	5.61	37,009.62	46,396.03	878,425.24	2.68	3.36	63.64	501,975
2	Associated Inintiatves	880,000		3.57	42,991.87	101,023.86	693,134.48	4.89	11.48	78.77	186,866
3	Vehicles	799,200									
3A	Vehicles		575,764	2.34	0.00	0.00	575,763.60	0.00	0.00	100.00	0
3B	Equipment		223,436	0.91	0.00	274.39	173,590.81	0.00	0.12	77.69	49,845
4	Consulting Service	3,835,800		15.58	76,042.19	76,042.19	2,758,669.59	1.98	1.98	71.92	1,077,130
5	Training	283,300		1.15	8,435.32	8,435.32	159,615.27	2.98	2.98	56.34	123,685
6	Study	251,400		1.02	0.00	0.00	0.00	0.00	0.00	0.00	251,400
7	Monitoring and Evaluation	46,600		0.19	15,825.53	15,825.53	35,039.39	33.96	33.96	75.19	11,561
8	Operating Costs	3,196,600		12.98	103,707.75	175,635.19	1,376,432.40	3.24	5.49	43.06	1,820,168
9	O&M During Implementation-ADB	303,500		1.23	0.00	0.00	0.00	0.00	0.00	0.00	303,500
	Sub-total-ADB	**23,000,000**		**93.40**	**914,977.74**	**1,208,848.05**	**13,192,029.04**	**3.98**	**5.26**	**57.36**	**9,807,971**
	Government Fund										
1C	Resettlement	268,200		1.09	0.00	0.00	74,903.11	0.00	0.00	27.93	193,297
8	Government staffs	902,800		3.67	39,464.04	78,928.08	455,357.80	4.37	8.74	50.44	447,442
	Sub-total-GOL	**1,171,000**		**4.76**	**39,464.04**	**78,928.08**	**530,260.91**	**3.37**	**6.74**	**45.28**	**640,739**
	Beneficiary Contribution										
9	O&M During Implementation-WUAs	455,200		1.85	0.00	0.00	0.00	0.00	0.00	0.00	455,200
	Sub-total-WUAs	**455,200**		**1.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**455,200**
	Total	**24,626,200**		**100.00**	**954,441.78**	**1,287,776.13**	**13,722,289.95**	**3.88**	**5.23**	**55.72**	**10,903,910**

Table 2 Subproject Civil Works Implementation Progress (as of March 2015)

No.	Subproject	Province	District	Village Benefit	Irrigation Area (ha)	Rural Access Road (Km)			Construction Suppervision	Contractor	Contract value (LAK)	Civil Work Progress		Remark
						[I],*/ (km)	[II],**/ (km)	Bridge (m)				Construction contract date	Civil work Completion (%)	
I. 1 Subproject Year 1 Batch 1														
1	Nam Haad Right Bank Irrigation	Bokeo	Pha Oudom	1. Thinh Keo	150	4.73			VTC	Xailong	5,293,358,199	1-Nov-12	**100.00**	**Construction completed in Dec. 2013**
				2. Phonexay										Main completed works:
				3. Pha Oudom										- Nam Haad Concrete Weir (L=23m, W=50m, H=2.5m)
				4. Phiengkham										- Main canal (concrete lining) = 2,725m
														- Main canal (earth) = 2,000m
														Final inspection date: 18 Dec 2013
														As built drawing/Completion report date: 7 Jan. 2014
														Construction Completion Certificate issued: 20 June 2014
														Defect Liability Certificate issued: 7 Jan. 2015
2	Nam Dai Irrigation	Luang Namtha	Sing	1. Nam Keo Luang	157	3.64			VTC	Chaleunxai	4,920,376,401	1-Nov-12	**100.00**	**Construction completed in Feb. 2014**
				2. Siri Huang										Main completed works:
				3. Yang Phieng										(1) Nam Dai (V) Concrete Weir (L=13m, W=20m, H=1.8m)
														- Main canal (concrete lining) = 1,810m
														- Main canal (earth) = 305m
														(2) Nam Dai (VI) Concrete Weir (L=13m, W=20m, H=1.5m)
														- Main canal (concrete lining) = 1,525 m (MC=475m, MC1=575m, MC2=475m)
														- Main canal (earth) = 0 m
														Final inspection date : 26 Feb 2014
														As build drawing/Completion report date: 14 March 2014
														Construction Completion Certificate issued: 20 June 2014
														Defect Liability Certificate issued: not yet
3	Mong Chao - Komaen Rural Road	Phongsaly	Phongsaly	1. Mong Chao			**11.10**		VTC	SKC	4,989,263,943	1-Nov-12	**100.00**	**Construction completed in Feb. 2014**
				2. Phousoum										Main completed works:
				3. Chafou										- Road Length (total) = 11.1km
				4. Komaene										- Road width = 4m
														- Pavement = 2,627m
														Final inspection date: 14 Feb 2014
														As built drawing/Completion report date: 14 March 2014
														Construction Completion Certificate issue: 20 June 2014
														Defect Liability Certificate issued: not yet
I. 2 Subproject Year 1 Batch 2														
1	Houay Xo Irrigation	Bokeo	Pak Tha	1. Pangsa	92	6.70			TEAM LAO	Phouang Chaleun	2,302,439,500	11-Apr-13	**100.00**	**Construction completed in January 2015**
														Main completed works:
				2. Dong										(1) Ban Pakxo concrete weir(W=18m, H=1.8m)
														- Main canal (concrete lining) = 100m
														- Main canal (earth) = 2395m
				3. Pak Xo										(2) Ban Pangsa concrete weir:(W=20m, H= 1.8m)
														- Main canal (concrete lining) = 20m
														- Main canal (earth) = 2045m
														(3) Ban Dong concrete weir:(W=20m, H= 2.8m).
														- Main canal (concrete lining) = 96m
														- Main canal (earth) = 2639m
														Final inspection date: 28 January 2015
														As built drawing/Completion report date: not yet
														Construction Completion Certificate issue: not yet
														Defect Liability Certificate issued: not yet
2	Nam Tin Irrigation	Bokeo	Houaysay	1. Phouvanetai	500	15.06			TEAM LAO	Xailong	5,717,403,660	12-Apr-13	**100.00**	**Construction completed in April 2014**
				2. Nam Pouk										Main completed works:
				3. Houayxainoi										- Main canal (concrete lining) = 1,995m
				4. Xaychaleune										- Main canal (earth) = 8,180 m
				5. Fai										- Secondary canal (concrete lining) = 4,207m
				6. Phonexay										- Secondary canal (earth) = 8,463m
				7. Phonesavang										Final inspection date: 8 April 2014
														As built drawing/Completion report date: 28 May 2014
														Construction Completion Certificate issued: 20 June 2014
														Defect Liability Certificate issued: not yet
3	Hong Kong Irrigation	Luang Namtha	Luang Namtha	1. Luang	155	5.17			VTC	Chaleunxai	3,029,629,592	8-Apr-13	**100.00**	**Construction completed in July 2014**
				2. Khone										Main completed works:
				3. Nam Ngaene										(1) Hongkong -Home canal improvement: Install of control gates (2sets), extension of concrete home (37.5m)
														(2) Kang Ban weir: construct a new concrete weir (with stoplog)
														(3) Khampom weir: repair of intake structure, etc. (with stoplog)
														(4) Houay Louang weir: repair of intake structure, etc. (with control gate)
														(5) Janor weir: repair of intake structure, etc. (with stoplog)

No.	Subproject	Province	District	Village Benefit	Irrigation Area (ha)	Rural Access Road (Km)			Construction Suppervision	Contractor	Contract value (LAK)	Civil Work Progress		Remark
						[I],*/ (km)	[II],**/ (km)	Bridge (m)				Construction contract date	Civil work Completion (%)	
														(8) Nam Ngaene river bank protection (stone masonry)=120m
														Final inspection date: 15 July 2014
														As built drawing/Completion report date: 14 August 2014
														Construction Completion Certificate issued: 19 December 2014
														Defect Liability Certificate issued: not yet
4	Nam Ma Oune Irrigation	Luang Namtha	Long	1. Thad	105	3.15			VTC	Thavixay	2,585,450,600	9-Apr-13	**100.00**	**Construction completed in July 2014**
														Main completed works:
														(1) Headworks improvement
														- Improvement of downstream apron protection
														- Replace intake & sluice gates : 2 sets
														(2) Canals and related structures improvement
														- Main canal: concrete lining = 2,650m, earth canal improvement = 500 m
														- LSC: concrete lining=75m, earth canal improvement=140m
														Final inspection date: 14 July 2014
														As built drawing/Completion report date: 14 August 2014
														Construction Completion Certificate issued: 19 December 2014
														Defect Liability Certificate issued: not yet
5	Nam Lan Irrigation	Phongsaly	Bountai	1. Naway	82	4.24			TEAM LAO	Inthaseng	2,494,784,016	22-Apr-13	**100.00**	**Construction completed in April 2014**
														Main completed works:
														- Repairing intake gates = 2 nos.
														- Main canal (concrete lining) = 1,286m
														- Main canal (earth) =2,649m
														- Left main canal (earth) 300 m
														Final inspection date: 9 April 2014
														As build drawing/Completion report date: 12 June 2014
														Completion Certificate issued: 19 December 2014
														Defect Liability Certificate issued: not yet
6	Nam Ou Irrigation	Phongsaly	Gnot Ou	1. Tai	440	8.03			TEAM LAO	Dala	4,813,500,610	23-Apr-13	**100.00**	**Construction completed in March 2014**
				2. Phouxang										Main completed works:
				3. Theung										- Repairing intake gates = 2 nos.
				4. Kad										- Main canal (concrete lining) = 1,190 m
				5. Loum										- LMC Main canal (earth) = 4,200m
														- RMC Main canal =2,641m
														- Dredging existing concrete canal= 1,150 m
														- Repair secondary canal (earth) = 3,677 m
														Final inspection date: 07 April 2014.
														As built drawing/Completion report date: 28 May 2014
														Completion Certificate issued: 20 June 2014
														Defect Liability Certificate issued: not yet
Sub Total subproject Year 1				**31 villages**	1,681 ha	50.72 km	11.10 km							
II. Subproject Year 2														
1	Nam Bak Irrigation	Luang Namtha	Long	1. PhayaLuang	217	5.90			VTC	Keovilay	3,327,342,630	6-Mar-14	**80.00**	**Start of construction: 23 November 2014**
				2. Khokhin										Headwork 1: completed as planned, MC1: lining = completed 700 m (out of 950 m plan), structure = not yet started (plan = 13 nos.) .
				3. Nambak -Phokham										Headwork 2: completed as plannde, MC2: lining = completed 630 m (out of 706 m plan), earth canal = 400 m completed as planned, structures = not yet started (plan = 10 nos.)
				4. Silimoun										Headwork 3: completed as planned, MC3: completed as planned= 425 m lining , structures = 5 nos completed (plan = 14 nos .)
														Headwork 4: completed as planned, MC4: completed as planned = 1000 m (lining 600 m, earth 400 m), structures = completed 1 no. only (plan = 19 nos.)
														Headwork 5: completed as planned (Intake structure only), MC: completed as planned (lining = 230m, structure = completed)
														Headwork 6: compled as planned, MC6: completed as planned (400m lining), 4SC (SC1, SC2, SC3, SC4) (earth canal): completed as planned, structures = completed 3 nos. out of 9 nos .
														Final inspection date: not yet due
														As built drawing/Completion report date: not yet due
2	Nam Gna 6 - Houay Louang Irrigation	Luang Namtha	Sing	1. Chom	406	6.00			VTC	Phouang-chaleun	3,366,098,000	6-Mar-14	**57.15**	**Start of construction: 19 May 2014**
				2. HuayLuang										Re-start of construction: 18 November 2014
				3. Xieng Moun										**Nam Gna VI:**
				4. Na May										- Head work: completed as planned.
				5. Huakhua										- MC (lining 443m): 12% completed
				6. Xieng In										- RMC (1600m): completed as planned (lining 1000m, earth 600m)
				7. Xieng Gnuen										- LMC (1140m): completed as planned

No.	Subproject	Province	District	Village Benefit	Irrigation Area (ha)	Rural Access Road (Km)			Construction Suppervision	Contractor	Contract value (LAK)	Civil Work Progress		Remark
						[I],*/ (km)	[II],**/ (km)	Bridge (m)				Construction contract date	Civil work Completion (%)	
														- RSC (1150m): not yet started
														Houay Louang:
														- Head work: completed as planned
														- MC (225m): completed as planned
														- LMC (1600m): completed as planned (concrete Lining = 875 m + earth = 725m) , structures: not completed yet.
														- RMC (577m): completed concrete lining, RSC (750m): completed earth work only, concrete lining of 750m not yet.
														Final inspection date: not yet due
														As built drawing/Completion report date: not yet due
3	Nam Gnang Irrigation	Luang Namtha	Luang Namtha	1. Thong Ome	355	5.70			VTC	Chaleunxai	3,627,177,888	6-Mar-14	**85.02**	**Start of construction: December 2014**
				2. Vieng Neua										- Head work: Nam Ngaen completed as planned
				3. Vieng Tai										- MC-CR (690m): completed as planned
				4. Huakhua										- Head work Nam Gnang: on track
				5. Nam chang										- MC (1190m): completed as planned
				6. Luang [III],***/										- LMC (2250m): completed as planned
				7. Khone [III],***/										Final inspection date: not yet due
				8. Nam Ngaen [III],***/										As built drawing/Completion report date: not yet due
4	Nam Pouk Irrigation	Bokeo	Hoauyxai	1. Nam Pouk [III],***/	236	1.56	0.00		VTC	Xailong	2,581,638,380	13-Mar-14	**100.00**	**Construction completed in July 2014**
				2. Xay chalern [III],***/										Main completed works:
														(1) Headworks improvement
														- Cleaning and desilting soil from weir basin
														- Replace control gate at intake and sluice gate = 4 sets
														- Bank slope protection of the weir basin (Lining concrete)=32m
														(2) Canal and related structures improvement
														- MC (concrete lining) = 147m
														- MC1 (concrete lining) = 935m
														- MC2 (concrete lining) = 475m
														- SC canals (4 nos.) (earth canal improvement) = 3,510m
														Final inspection date: 02 July 2014.
														As built drawing/Completion report date: 15 August 2014
														Construction Completion Certificate issued: not yet
														Defect Liability Certificate issued: not yet
5	Houay Sat Irrigation	Bokeo	Paktha	Had Don Keo	120	5.00	4.00		VTC	Xiengmy	2,687,850,215	13-Mar-14	**70.04**	**Re-start of construction: 10 November 2014**
														Phouvat weir
														- Rehabilitation of Phuvat weir: completed as planned
														- MC1 (1700m) and structures: completed 96.35% (completed 5nos.of structures out of total 20 nos.) remain 3 nos
														Napoung weir
														- Rehabilitation of Napoung weir: completed 60%
														- MC2(2550m): (lining concrete completed 220m)
														Road from farm to market
														- Rehabilitation of access road from farm to Market (825m): completed as planned
														Final inspection date: not yet due
														As built drawing/Completion report date: not yet due
6	Nam Haad Left Bank Irrigation	Bokeo	Pha Oudom	1. Pha Oudom [III],**	450	5.10			VTC	Xiengmy	3,606,754,100	13-Mar-14	**100.00**	**Re-start of construction: December 2014**
				2. Phonexay[III],***/										- Nam Haad (weir) downstream protection + canal: completed as planned
				3. Phiengkham [III],***/										- Nam Kha weir + canal: completed as planned
				4. ThinKeo [III],***/										- SC (350m): completed as planned
				5. PoungLath										Final inspection date: not yet due
				6. Sibounheuang										As built drawing/Completion report date: not yet due
				7. Xaysavang										Construction Completion Certificate issued: not yet
				8. Nam Kha-Pa Lao										Defect Liability Certificate issued: not yet
				9. Somsavang										
				10. XayOudom										
				11. Donsavanh										
7	Kormen- Phongsaek Rural Road	Phongsaly	Phongsaly	1. PhongSaek			10.10		A-pro	Sisaketh	4,505,587,500	24-Feb-14	**100.00**	Main completed works:
				2. Phayasy										- Road Length (total) = 10.68 km
														- Road width = 4 m
														- Pavement = 1,725 m , width= 3 m
														- Drainage culvert= 39 points.
														Final inspection date: 19 Feb 2015
														As built drawing/Completion report date: not yet due
														Construction Completion Certificate issued: not yet
														Defect Liability Certificate issued: not yet

No.	Subproject	Province	District	Village Benefit	Irrigation Area (ha)	Rural Access Road (Km)			Construction Suppervision	Contractor	Contract value (LAK)	Civil Work Progress		Remark
						[I],*/ (km)	[II],**/ (km)	Bridge (m)				Construction contract date	Civil work Completion (%)	
8	Nam Thae Irrigation	Phongsaly	Nhot Ou	1. Don Ngaeng	140	4.80			A-pro	Dala	3,229,131,850	24-Feb-14	**90.00**	**Re-start of construction: December 2014**
				2. Sem InMay										- Head work: completed 74.42%
				3. Navone										- LMC(1720m) : canal lining 860 m complete as planned, earth canal completed 95% out of 860 m
				4. Nong Ngai										- RMC: canal lining 1700m completed as planned
				5. Bortai										- RSC1: completed 90 %
														- RSC2: completed 100%
														Final inspection date: not yet due
														As built drawing/Completion report date: not yet due
9	Nam Ngaene Irrigation / Road /bridge	Phongsaly	Bountai	1. Boun Tai	117	6.20			A-pro	Inthaseng	4,133,708,320	24-Feb-14	**94.60**	**Re-start of construction: December 2014**
				2. Noun Boun Kang										- LMC (2225m): canal lining completed 91%
				3. Phothong										- Structure (9nos): completed as planned
				4. Nawai [IV],****/:				50.00						- RMC (2700m) canal lining completed 94%
														- Suspension bridge: completed as planned
														Final inspection date: not yet due
														As built drawing/Completion report date: not yet due
Sub Total subproject Year 2				**44 villages**	2,041 ha	40.26 km	14.10 km	50.00 m						
Grand Total				**65 villages (Actual)**	3,722 ha	90.98 km	25.20 km	50.00 m						

Note:
(1) Subproject Year 3 8 subprojects under D/S under implemented in the field
[I], */ : Rural access road for Farm to Market and O&M of Irrigation facilities
[II],**/: Rural Access Road for connecting village to district/ province/ National Road
[III],***/: Number of villages under project Y1 and Y2 are 65 villages. There are 10 villages of Year 2 subproject Overapping of Year 1 subproject

Overall Physical Progress of the Project

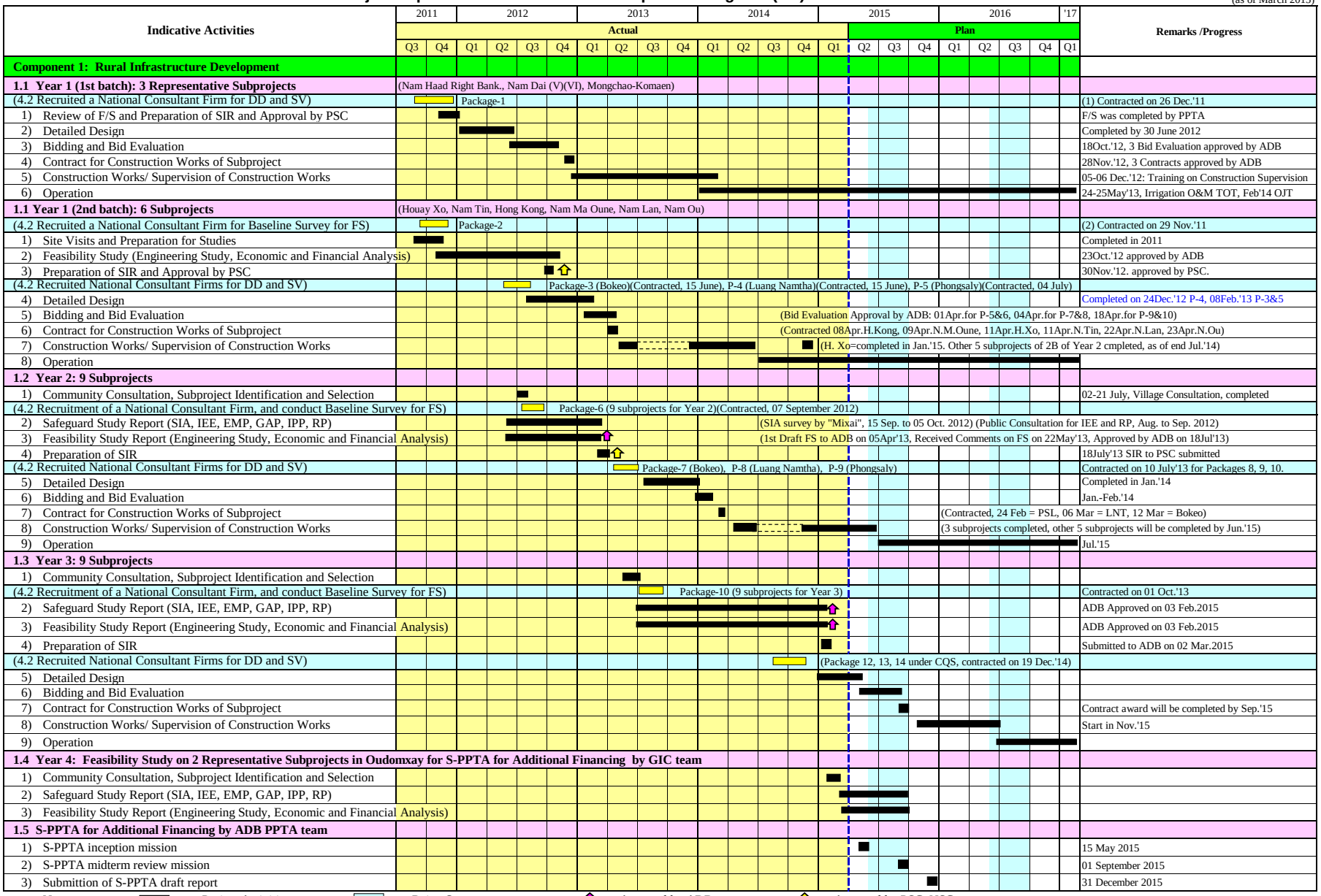
(as of 31 March. 2015)

Item	Project Description	Project cost (million $)	Total Target Number	Relative Weight (%)	Overall Progress (%)			Progress by Comp.(%)	Remarks
					up to End Dec. 2014	This Month	up to End Mar. 2014		
I	**Component 1: Rural Infrastructure Development**	**12.88**		**67.00**	**39.18**	**6.80**	**45.98**	**68.63**	
1.1	Community Consultation, Subproject Identification and Selection		23 subp.	0.17	0.17	-	0.17		Total 23 subprojects of Y1, Y2, Y3 selected
1.2	Social Impact Assessment baseline survey and report		23 subp.	0.67	0.67	-	0.67		24 (Y1B2, Y2, Y3) subpjts completed (incl. Bakanoi)
1.3	Engineering Survey (site investigation)		23 subp.	0.34	0.34	-	0.34		26 subpjts completed (Y1, Y2, Y3) (incl. Bakanoi)
1.4	Safeguard Studies (IEE, EMP, GAP, IPP, RP)		23 subp.	0.67	0.67	-	0.67		24 subproject Y1, Y2 and Y3 completed (including Bakanoi)
1.5	Feasibility Study report		23 subp.	5.70	5.70	-	5.70		24 subpjts (6 Y1, 9 Y2, and 9 Y3) completed
1.6	Review of F/S and Preparation of SIR		26 subp.	0.17	0.12	-	0.12		15 subpjts completed
1.7	Detailed Design (Topo Survey+Detail design)		26 subp.	0.67	0.46	0.08	0.55		18 (Y1+Y2) subppts completed, Y3 DD ongoing
1.8	Bid Documents		26 subp.	0.67	0.46	-	0.46		18 (Y1+Y2) subprojects completed
1.9	Bidding and Bid Evaluation		26 subp.	0.67	0.46	-	0.46		18 (Y1+Y2) subprojects completed
1.1	Contract for Construction Works of Subproject (contract award)		26 subp.	0.67	0.46	-	0.46		18 (Y1+Y2) subprojects completed
1.11	Construction Works		26 subp.	53.60	28.23	6.34	34.57		Year 1: 9 subpjts completed; Year 2: 9 subpjts (2 subpjt completed, 7 subpjts between 57% to 95%)
1.12	Supervision of Construction Works and Certification		26 subp.	3.02	1.44	0.38	1.82		
II	**Component 2: Associated Initiatives**	**1.40**		**7.50**	**4.39**	**0.13**	**4.52**	**60.28**	
2.1	Identification of Associated Initiatives		23 subp.	1.13	0.73	-	0.73		18 subprojects (Y1+ Y2) completed
2.2	Cost Estimate of Associated Initiatives for Feasibility Studies (during FS)		23 subp.	0.75	0.75	-	0.75		26 subprojects (Y1,Y2 and Y3) completed
2.3	Detailed Activity Plan of Associated Initiatives (during Implementation)		26 subp.	1.13	0.78	-	0.78		18 subprojects (Y1+Y2) completed
2.4	Implementation of Associated Initiatives (workshops / On job Trainings / Practical, Demo)		306 OJT						
1)	Road Operation and Maintenance:		6	0.09	0.06	-	0.06		1 RMC established
2)	Land Use Planning and Management:		72	1.06	0.44	-	0.44		1) Irrigation Block Map: Y1- 100% ; Y2 -Data collected, Block Map Not yet started 2) Catchment/ Land Used Management Plan: completed for 7 subprojects of Year 1 . 3) Stakeholder Workshop for LUMP completed for 7 subpjts of Y1 .
3)	Irrigation Operation and Maintenance:		21	0.31	0.03	-	0.03		2 OJT for Irrigation O&M were conducted.
4)	Community development:		66	0.97	0.35	-	0.35		1) 16 WUG of Y 1 &2 and 2 RMC registed 2) 2 WUG Management/ Administration (training to farmer) completed. 3) 2 WUG Accounting and Financial Management (training to farmer) completed in Nam Haad and Nam Dai. 4) Delivered 6,162 chickens to the farmers in 12 villages of 8 subprojects.
5)	Gender /Indigenous:		27	0.40	0.29	-	0.29		Awareness raising activities in 47 villages conducted.
6)	Capacity Building for Village and District Level LNFC Mediation Committee:		27	0.40	0.26	-	0.26		18 subprojects (Y1&2) Village consultation for LAR, and Environment completed.
7)	Value Added activities and extension/ Marketing:		87	1.28	0.69	0.13	0.82		1) Agriculture Demonstration: 2) Marketing - FPG/ contract farming: 34 FPG Oranized with 9 subproject Year 1. 3) Study tour - 2 study tours completed (Y2013, Y2014) 4) Market study - One report completed 5) Storage & drying floor in Nam Haad, Tea processing house in Mong Chao completed.
III	**Component 3: Institutional Capacity Building**	**0.51**		**1.50**	**1.42**	**0.03**	**1.45**	**96.66**	
3.1	**Minotoring and Evaluation**								
1)	Support O&M cost for Project Monitoring in DOP, MAF (for Pro-MIS)		2 Years	0.04	-	-	-		
2)	Support to Improve Capacity Building (by support budget for Training) for staff of DOP and 4 Provinces (BK, LNT, ODX and PSL) by Pro-MIS		2 Trainings	0.09	0.04	0.03	0.07		1 Round Training conducted in 4 Province (BK, LNT, ODX, PSL) on How to use the Monitoring Information System. Implementation by Pro-MIS. Round 2 completed in LNT and Bokeo
3.2	**Trainings / Workshops (TOT based)**								
3.2.1	Establish Project Monitoring Information System and network		2	0.07	0.07	-	0.07		1 website and project network established in NPMO
3.2.2	Sector Policy Development Study by Policy Research Center in NAFRI, MAF		5 outputs	0.03	0.03	-	0.03		5 Policy paper completed
3.2.3	**Trainings / Workshops for the staff of NPMO, PPOs,**		33 Trainings						All the TOT training programs completed.
1)	Project Familiarization		1	0.04	0.04	-	0.04		1 Kick-off meeting in VTE in August 2011
2)	Technical Orientation workshops+ Village consultation		4	0.15	0.15	-	0.15		Totally completed 4 times.
3)	Financial Management Training (for PPOs)		3 Trainings	0.12	0.12	-	0.12		3 trainings completed
4)	Road Operation and Maintenance (TOT):		1 Trainings	0.04	0.04	-	0.04		1 TOT/OJT in was conducted in Phongsaly district
5)	Land Use Planning and Management (TOT):		3 Trainings	0.12	0.12	-	0.12		3 Trainings completed
6)	Irrigation Operation and Maintenance (TOT):		3 Trainings	0.12	0.12	-	0.12		3 O&M Trainigs completed
7)	Community development (TOT):		3 Trainings	0.12	0.12	-	0.12		i) WUG/ RMC establishment, ii) financial management, iii) HIV/sanitation and hygien completed.
8)	Gender /Indigenous (TOT):		2 Trainings	0.08	0.08	-	0.08		Completed
9)	Capacity Building for Provicial and District Safeguard Officer (TOT):		3 Trainings	0.12	0.12	-	0.12		Completed
10)	Value Added actitivies/ Extenstion (TOT):		10 Trainings	0.39	0.39	-	0.39		All TOT for Value added activities/extenstion completed.
IV	**Component 4: Project Implementation and Management**	**4.42**		**24.00**	**18.89**	**0.75**	**19.64**	**81.83**	
4.1	Establish Project Management Structure		16 Offices	0.24	0.24	-	0.24		Completed
4.2	Supply equipment and vehecle for NPMO, PPOs and DCOs		16 Offices	1.20	1.20	-	1.20		Competed
4.3	GIC Services		329MM	15.60	12.95	0.67	13.61		287.06 out of 328.9 p-m used as of end Mar.'14
4.4	Recruitment National Consultants for FS, DD, PBD, CS		26 sub.	1.20	1.20	-	1.20		18 subprojects (Y1&Y2) completed, Y3 SIA completed. DD, PBD, and CS under Technical and Finacial Proposal stage Oct.14.
4.5	**Project Benefit Monitoring and Evaluation**		31 Times						
1)	Design PBME System		1 Report	0.05	0.05	-	0.05		Completed
2)	Provicial PBME Trainings		3	0.16	0.16	-	0.16		Completed
3)	Support project report preparation and measurement		22 Q	1.19	0.70	-	0.70		9Q, 2 Annual reports, 1 mid-term report completed
4)	PBME (Annual report)		5 Years	0.27	0.11	0.05	0.16		3 Annual report (2012 , 2013, 2014) completed
4.6	**External Safeguards Implementation and Monitoring**		9 Reports						
1)	Recruitment of External Safeguard Monitoring Entities		3 Pakage	0.19	0.13	-	0.13		Package 7-1 (for 2013) and Package 7-2 (for 2014) completed
2)	External Safeguard Monitoring, and reporting		9 Reports	0.29	0.13	0.03	0.16		9 subprojects Y1 - 3 field visited and 3 reports completed. Year 2- 2 visited and report preparation completed
4.7	**Reports**		25 Report						
1)	Inception Report		1 Report	0.14	0.14	-	0.14		Completed
2)	Quarterly Report		16 Report	2.30	1.30	-	1.30		9 reports completed
3)	Annual Report		6 Report	0.86	0.43	-	0.43		3 reports completed
4)	Midterm Report		1 Report	0.14	0.14	-	0.14		Completed
5)	Project Completion Report (Self Evaluation)		1 Report	0.14	-	-	-		Not yet due
	Sub-total	**19.21**		**100**	**63.83**	**7.72**	**71.59**		

Note: - Total NRI Project budget 23 million US dollars
- Activities above only works under grant agreement budget catergory 1, 2, 3, 4, 5, and 7 (total US $19.21 million)
- Activities under budget catergory no. 6, 8, and 9 at the grant agreement are excluded in the monitoring sheet (total 3.79 million)
- New definition on 2.4-2) Land Use Management to be 1) Riigtaion Block map 2) Catchment / Land Use Mamanagement Plan 3) Workshop on Catchment Mananement Workshop
- Figue of Q3/2013 were adjusted from **29.87** to be **29.16** based on new definition; indicator and figure adjustment under 2.4-2), and 2.4-7)
- Out put 3 was add 3.1 Monitoring and Evaluation (based on AM Oct. 2014). Progress Out put 3 related weight was adjusted and progress was decreased from 100% to be 95%.
- Deduct Bakanoi subproject out of the Measurement System (based on MTR). Now the Monitoring system remain only 26 subprojects

Overall Project Implementation Schedule and Updated Progress (1/3)

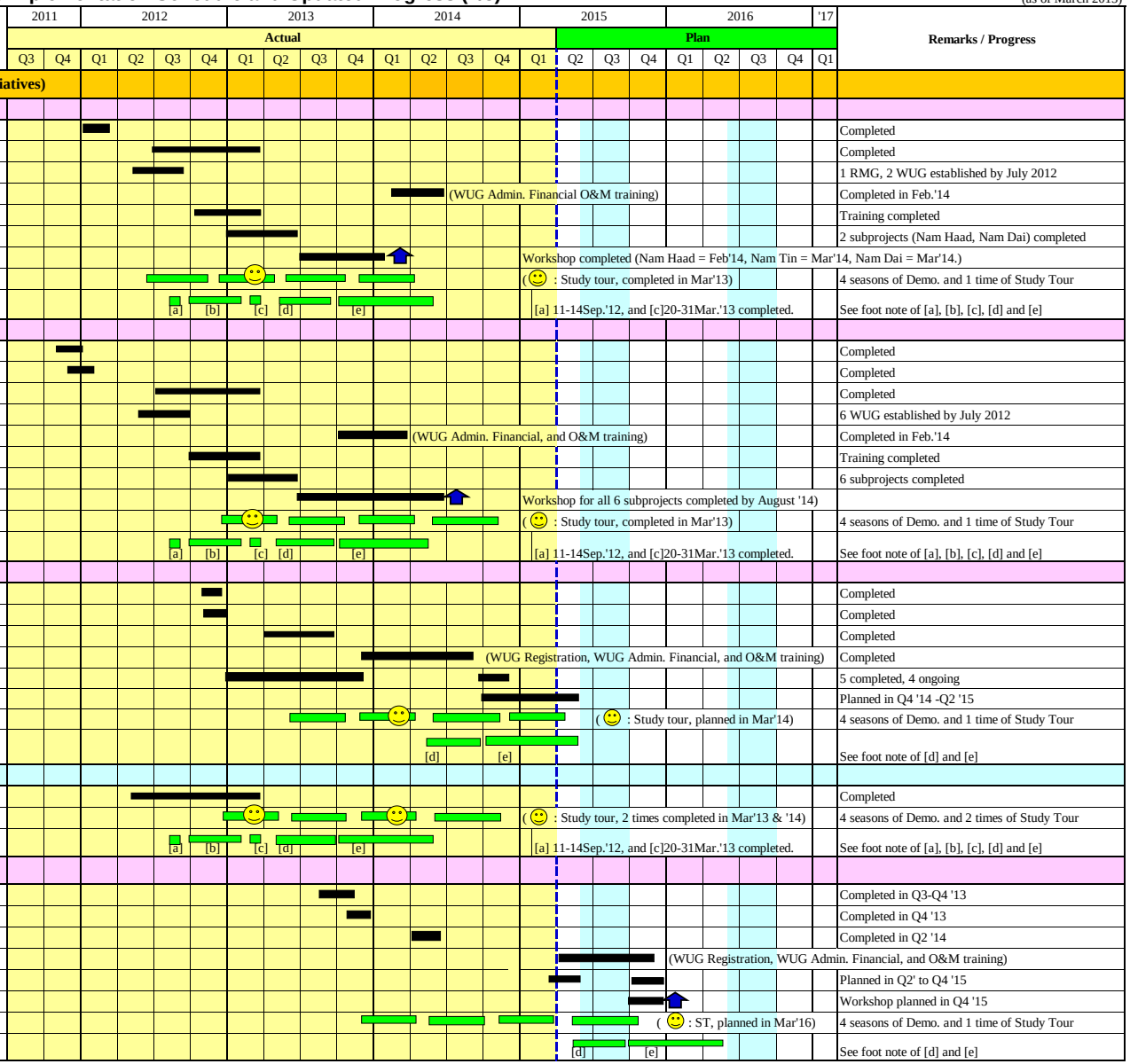
(as of March 2015)



Overall Project Implementation Schedule and Updated Progress (2/3)

(as of March 2015)

Indicative Activities	Remarks / Progress
Component 2: Productivity and Impact Enhancement (Associated Initiatives)	
2.1 Year 1 (1st batch): 3 Representative Subprojects	
1) Review of F/S	Completed
2) Detailed Activity Plan of Associated Initiatives	Completed
2)-1 - WUG/Road Organization and Registration	1 RMG, 2 WUG established by July 2012
- WUG/RMG Capability Development Training and O&M	Completed in Feb.'14
- Gender/Indigenous, Capacity Building for LNFC	Training completed
2)-2 - Block Mapping	2 subprojects (Nam Haad, Nam Dai) completed
- Catchment Land Use and Management Plan	Workshop completed (Nam Haad = Feb'14, Nam Tin = Mar'14, Nam Dai = Mar'14.)
2)-3 - Agricultural Extension (Demonstration and Study tour)	4 seasons of Demo. and 1 time of Study Tour
- Value Added / Marketing Activities	See foot note of [a], [b], [c], [d] and [e]
2.1 Year 1 (2nd batch): 6 Subprojects	
1) Identification of Associated Initiatives	Completed
2) Cost Estimate of Associated Initiatives for Feasibility Studies	Completed
3) Detailed Activity Plan of Associated Initiatives	Completed
3)-1 - WUG/Road Organization and Registration	6 WUG established by July 2012
- WUG/RMG Capability Development Training and O&M	Completed in Feb.'14
- Gender/Indigenous, Capacity Building for LNFC	Training completed
3)-2 - Block Mapping	6 subprojects completed
- Catchment Land Use and Management Plan	Workshop for all 6 subprojects completed by August '14)
3)-3 - Agricultural Extension (Demonstration and Study tour)	4 seasons of Demo. and 1 time of Study Tour
- Value Added / Marketing Activities	See foot note of [a], [b], [c], [d] and [e]
2.2 Year 2: 9 Subprojects	
1) Identification of Associated Initiatives	Completed
2) Cost Estimate of Associated Initiatives for Feasibility Studies	Completed
3) Detailed Activity Plan of Associated Initiatives	Completed
3)-1 Infrastructure Maintenance (WUG, Road Maint. Committee)	Completed
3)-2 - Block Mapping	5 completed, 4 ongoing
- Catchment Land Use and Management Plan	Planned in Q4 '14 -Q2 '15
3)-3 - Agricultural Extension (Demonstration and Study tour)	4 seasons of Demo. and 1 time of Study Tour
- Value Added / Marketing Activities	See foot note of [d] and [e]
2.3 Oudomxay Province: 4 Subprojects in 2 Districts	
1) Collecting Basic Information and Detailed Activity Plan	Completed
2) - Agricultural Extension (Demonstration and Study tour)	4 seasons of Demo. and 2 times of Study Tour
- Value Added / Marketing Activities	See foot note of [a], [b], [c], [d] and [e]
2.4 Year 3: 9 Subprojects	
1) Identification of Associated Initiatives	Completed in Q3-Q4 '13
2) Cost Estimate of Associated Initiatives	Completed in Q4 '13
3) Detailed Activity Plan of Associated Initiatives	Completed in Q2 '14
3)-1 Infrastructure Maintenance (WUG, Road Maint. Committee)	
3)-2 - Block Mapping	Planned in Q2' to Q4 '15
- Catchment Land Use and Management Plan	Workshop planned in Q4 '15
3)-3 - Agricultural Extension (Demonstration and Study tour)	4 seasons of Demo. and 1 time of Study Tour
- Value Added / Marketing Activities	See foot note of [d] and [e]



Note: ■ = Project Activities, ▭ = Rainy Season, */ [a]: 1st TOT (what is market and value-adding), [b]: Collecting marketing information by PPO, DCO, [c]: 2nd TOT (understanding what is market, FPG-Buyer linking forum), [d]: Identify FPG and activities (contract farming), [e]: Implementation of Contract Farming. ([a], [b] and [c] are TOT training for PPO and DCO staff for the initial stage. Activities for Year 2 and 3 subprojects will be started with [d] and [e])

Overall Project Implementation Schedule and Updated Progress (3/3)

(as of March 2015)

Indicative Activities	2011		2012				2013				2014				2015				2016				'17	Remarks / Progress
	Actual															Plan								
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Component 3: Institutional Capacity Building																								
3.1 Establish of Project Monitoring Facilities in DOP, MAF																								NRI website established, 2 M&e training completed
3.2 Sector Policy Dev. Study by Policy Research Center in NAFRI, MAF																								Collaboration with NAFRI, Workshop in Sep'14
3.3 Training /Workshop for the staff of NPMO, PPO, DCO																								
1) Project Familiarization																								1 time planned, 1 completed
2) Technical Orientation Workshop + Village Consultation		(2 times, comp.)			(Jul'12, VC for Y-2)				(completed in Jun'13, VC for Y-3)															4 times planned, 4 completed
3) Financial Management									(completed in Jul.'13 in PSL)															3 times planned, 3 completed
4) Road Maintenance												(completed in Mar.'14)												1 time planned, 1 completed
5) Land Use Planning and Management (Catchment, Block Mapping)								(3 trainings on GIS and Block Mapping, completed)																3 times planned, 3 completed
6) Irrigation Operation and Maintenance								(3 provinces, 24-25May'13)																3 times plenned, 3 completed (combined into 1)
7) Community Development (WUG/WUA)							(1st in 30-31Aug. for WUG establishment, 2nd in 24-27Dec.'12 for 2 topics, Financial, Admin.)																	3 times plenned, 3 completed (combined into 2)
8) Gender/Indigenous					(2), (30-31Aug, 1 in PSL, 1 in ODX)																			2 times plenned, 2 completed
9) Capaciy Building for LNFC (village and district level)						(3) (Safeguard training for 3 provinces, combined into 1)																		3 times planned, 3 completed (combiled into 1)
10) Value Added / Marketing Activities			(SRI)		(3 topics)	(M)		(1)	(4, Ext.& FPG)															10 times planned, 10 completed
Component 4: Project Implementation and Management																								
4.1 Procurement of Vehicles and Equipment																								Completed
4.2 Recruitment of Natonal Consulting firms for Baseline Survey for FS, DD, PBD, Construction Supervision		(1) (2)		(3), (4), (5)	(6)			(8), (9), (10)	(11)				(12), (13), (14)											Packages 1 to 11 completed. Packages 12, 13, 14 contracted in Dec.'14
4.3 Project Performance Monitoring																								
1) Design of Project Performance Monitoring System																								Completed
2) Training on Subproject Implementation Monitoring System																								Completed
3) Project Performance Monitoring (On-the Job Training: Reporting)																								
4.4 Safeguards Implementation and Monitoring																								
1) Recruitment of Safeguard Monitoring Entities'								Pacnage 7-1*				Package 7-2**				Package 7-3								*, **/ Lao National University
2) External Safeguards Imple. Monitoring (Year 1 subprojects)																								3 reports a year (Package 7-1), 3 reports completed by Jan.2014.
3) External Safeguards Imple. Monitoring (Year 1 and 2 subprojects)																								2 reports a year (Package 7-2) (2 reports completed by Feb.'15)
4) External Safeguards Imple. Monitoring (Year 1, 2, 3 subprojects)																								2 reports a year (Package 7-3)
5) External Safeguards Imple. Monitoring (Year 1, 2, 3 subprojects)																								
4.5 Reports																								
1) Inception Report																								completed
2) Quarterly Report																								11 completed (including QR1-2015)
3) Annual Report																								4 completed (including 2014 annual report)
4) Midterm Review Report																								completed
5) Project Completion Report (EA Evaluation)																								not yet due

Note: ■ = Project Activities, ▭ = Rainy Season

Assignment Schedule of the Consultants

(as of Mar.2015)

Name	Position	Consulting Services	Addendum No.18 Months Input					Remarks
			Total Contract, 1/	Additional Inputs, 2/	Total Contract, 3/	Accumulated, 4/	Reaming, 4/	
International								
1 K. Shimazaki	Team Leader: Irrigation Engineer/ PBME Specialist		28.18	2.70	30.88	24.40	6.48	
2 Arouny S.	Rural Access Road Engineer		7.2926	-	7.29	6.90	0.39	
3 Carmelo M. C.	Gender/ Indi. Peop./ CD Specialist		11.83	4.00	15.83	10.80	5.03	
4 Franz D. W.	Resettlement Specialist		6.00	0.60	6.60	5.14	1.46	
5 S. Otsuka	PBME Specialist		9.20	-	9.20	9.20	0.00	
6 Edward V.	Marketing/Value Added Specialist		6.00	-	6.00	5.36	0.64	
7 Marcelo R. C.	Environmental Specialist		4.10	0.70	4.80	4.10	0.70	
8 Yunshan Bai	Land Use Planning/ GIS		6.00	-	6.00	6.00	0.00	
9 Virgilio E. C.	Policy Develop. Specialist		9.00	-	9.00	9.00	0.00	
10 Fernando E. A.	Agricultural Economist		4.00	1.50	5.50	4.00	1.50	
11 S. Sato	SRI Specialist		2.00	-	2.00	2.00	0.00	
12 Identified	Unallocated Specialists		-	-	-	0.00	0.00	
(Sub-total)			(93.60)	**(9.50)**	**(103.10)**	(86.90)	**(16.20)**	
National								
1 Vankham T.	Deputy Team Leader: Irrigation Engineer		54.00	3.00	57.00	38.97	18.03	
2 Santisouk S.	Roads Engineer		11.57	-	11.57	10.64	0.93	
3 Sumountha Y.	Gender/ Indi. Peop./ CD Specialist		34.00	2.00	36.00	29.24	6.76	
4 Duangthoun C.	Resettlement Specialist		18.00	1.00	19.00	18.34	0.66	
5 Youngyer K.	PBME Specialist		31.00	-	31.00	20.65	10.35	
6 Khamphone P.	Marketing/Value Added Specialist		23.00	1.50	24.50	19.43	5.07	
7 Nilinda S.	Environmental Specialist		14.50	1.00	15.50	13.37	2.13	
8 Viengdavanh P.	Land Use Planning/ GIS		23.58	2.00	25.58	23.52	2.06	
9 Khamphone P.	Agronomist		12.00	-	12.00	11.88	0.12	
10 Khamphone P.	Agricultural Economist		3.00	-	3.00	3.00	0.00	
11 Youngyer K.	CD Specialist-2		9.00	1.00	10.00	9.63	0.37	
12 To be identified	Unallocated Specialists		0.64	-	0.64	0.00	0.64	
(Sub-total)								
Regional								
1 Chansouk Insouvanh	Ethnic Group/ IP Specialist		1.50	-	1.50	1.50	0.00	
(Sub-total)			**(235.79)**	**(11.50)**	**(247.29)**	**(200.17)**	**(47.12)**	

Note: ,1/ Refer to Addendum No.1 to 17, 2/ Additional Inputs for the PPTA for Additional Financing, 3/ Including the inputs of Addendum No.18, ,4/ Accumulated/ Remaining Inputs as of 31 March 2015

List of all subprojects with areas

No.	Subproject	Province	District	No.of Beneficiary Village	Whole Village (HHs)	Irrigated or Road Beneficiary	Irrigation Area (ha)	Status (as of Mar.'15)
Year 1 Subproject								
1	Nam Haad Right Bank Irrigation	Bokeo	Pha Oudom	4	628	133	150	Completed
2	Nam Dai Irrigation	L. Namtha	Sing	3	311	114	157	Completed
3	Mong Chao - Komaen Rural Road	Phongsaly	Phongsaly	4	287	287	-	Completed
4	Houay Xo Irrigation	Bokeo	Pak Tha	3	258	75	92	Completed
5	Nam Tin Irrigation	Bokeo	Houaysay	7	1,558	326	500	Completed
6	Hong Kong Irrigation	L. Namtha	Namtha	3	859	215	155	Completed
7	Nam Ma Oune Irrigation	L. Namtha	Long	1	67	56	105	Completed
8	Nam Lan Irrigation	Phongsaly	Bountai	1	161	98	82	Completed
9	Nam Ou Irrigation	Phongsaly	Gnot Ou	5	844	317	440	Completed
(Subtotal of Year 1)				**31 villages**	**4,973 HHs**	**1,621 HHs**	**1,681 ha**	
Year 2 Subproject								
1	Nam Bak Irrigation	L. Namtha	Long	4	411	189	217	80% comp.
2	Nam Gna 6 - Houay Louang Irrigation	L. Namtha	Sing	7	725	254	406	57% comp.
3	Nam Gnang Irrigation	L. Namtha	Namtha	8	975	326	355	85% comp.
4	Nam Pouk Irrigation	Bokeo	Hoauyxai	2	*/	189	236	Completed
5	Houay Sat Irrigation	Bokeo	Paktha	1	152	89	120	70% comp.
6	Nam Haad Left Bank Irrigation	Bokeo	Pha Oudom	11	753	433	450	Completed
7	Kormen- Phongsaek Rural Road	Phongsaly	Phongsaly	2	133	133	-	Completed
8	Nam Thae Irrigation	Phongsaly	Nhot Ou	5	461	123	140	90% comp.
9	Nam Ngaene Irrigation / Road /bride	Phongsaly	Bountai	4	590	92	117	94% comp.
(Subtotal of Year 2)				**44 villages**	**4,200 HHs**	**1,828 HHs**	**2,041 ha**	
Year 3 Subproject								
1	Houay Makmue Irrigation	L. Namtha	Long	5	377	Not yet	150	D/D
2	Nam Gna (IV) & (V) Irrigation	L. Namtha	Sing	2	261	Not yet	256	D/D
3	Nam Ngaen Thong Paene Irrigation	L. Namtha	Namtha	4	245	Not yet	290	D/D
4	Nam Chae Irrigation	Bokeo	Hoauyxai	2	91	Not yet	240	D/D
5	Houay Sa ll Irrigation	Bokeo	Paktha	1	317	Not yet	110	D/D
6	Houay Lieng Irrigation	Bokeo	Pha Oudom	8	301	Not yet	270	D/D
7	Nam Xang Irrigation	Phongsaly	Nhot Ou	4	76	Not yet	164	D/D
8	Nam Ngene (B.Namark) & Nam Hin Irrig	Phongsaly	Bountai	4	180	Not yet	185	D/D
(Subtotal of Year 3)				**30 villages**	**1,848 HHs**		**1,665 ha**	
All Subprojects				**105 villages**	**11,021 HHs**	**3,449 HHs**	**5,387 ha**	

Note: Actual no. of village not reach 105 village because there are some village overlapping and benefit both Year 1, Y2, and Y3 subproject.
*/ Overlapping Village of Nam Tin Subproject

Summary of access road supported by the Project

No.	Subproject	Province	District	No.of Beneficiary Village	Whole Village (HHs)	Irrigated or Road Beneficiary (HHs)	Rural Access Road / bridge			Status (as of Mar.'15)
							Type [I],*/ (km)	Type [II],**/ (km)	Bridge (m)	
Year 1 Subproject										
1	Nam Haad Right Bank Irrigation	BKO	Pha Oudom	4	628	133	4.73			Completed
2	Nam Dai Irrigation	LNT	Sing	3	311	114	3.64			Completed
3	Mong Chao - Komaen Rural Road	PSL	Phongsaly	4	287	287		11.10		Completed
4	Houay Xo Irrigation	BKO	Pak Tha	3	258	75	6.70			Completed
5	Nam Tin Irrigation	BKO	Houaysay	7	1,558	326	15.06			Completed
6	Hong Kong Irrigation	LNT	Namtha	3	859	215	5.17			Completed
7	Nam Ma Oune Irrigation	LNT	Long	1	67	56	3.15			Completed
8	Nam Lan Irrigation	PSL	Bountai	1	161	98	4.24			Completed
9	Nam Ou Irrigation	PSL	Gnot Ou	5	844	317	8.03			Completed
(Subtotal of Year 1)				**31 vill.**	**4,973 HHs**	**1,621 HHs**	**51 km**	**11 km**	**0 m**	
Year 2 Subproject										
1	Nam Bak Irrigation	LNT	Long	4	411	189	5.90			80% comp.
2	Nam Gna 6 - Houay Louang Irrigation	LNT	Sing	7	725	254	6.00			57% comp.
3	Nam Gnang Irrigation	LNT	Namtha	8	975	326	5.70			85% comp.
4	Nam Pouk Irrigation	BKO	Hoauyxai	2	****/	189	1.56			Completed
5	Houay Sat Irrigation	BKO	Paktha	1	152	89	5.00			70% comp.
6	Nam Haad Left Bank Irrigation	BKO	Pha Oudom	11	753	433	5.10			Completed
7	Kormen- Phongsaek Rural Road	PSL	Phongsaly	2	133	133		10.10		Completed
8	Nam Thae Irrigation	PSL	Nhot Ou	5	461	123	4.80			90% comp.
9	Nam Ngaene Irrigation / Road /bride	PSL	Bountai	4	590	92	6.20		50	94% comp.
(Subtotal of Year 2)				**44 vill.**	**4,200 HHs**	**1,828 HHs**	**40 km**	**10 km**	**50 m**	
Year 3 Subproject */:**										
1	Houay Makmue Irrigation	LNT	Long	5	377	Not yet	6.76			D/D
2	Nam Gna (IV) & (V) Irrigation	LNT	Sing	2	261	Not yet	3.26			D/D
3	Nam Ngaen Thong Paene Irrigation	LNT	Namtha	4	245	Not yet	2.60			D/D
4	Nam Chae Irrigation	BKO	Hoauyxai	2	91	Not yet	2.40			D/D
5	Houay Sa ll Irrigation	BKO	Paktha	1	317	Not yet	4.00			D/D
6	Houay Lieng Irrigation	BKO	Pha Oudom	8	301	Not yet	5.90			D/D
7	Nam Xang Irrigation	PSL	Nhot Ou	4	76	Not yet	3.53			D/D
8	Nam Ngene (B.Namark) & Nam Hin Irrig	PSL	Bountai	4	180	Not yet	6.74			D/D
(Subtotal of Year 3)				**30 vill.**	**1,848 HHs**		**35 km**	**0 km**	**0 m**	
All Subprojects				***/	**11,021 HHs**	**3,449 HHs**	**126 km**	**21 km**	**50 m**	
Total Rural Access Road [I] + [II] =							**147 km**			

Note: */ :Type [I] Rural access road for Farm to Market and O&M of Irrigation Facilities

**/: Type [II] Rural access road for connecting village to district/province/ national road

**/: [III] Estimation of the Road length under Feasibility Report only. Final figure will completed after detail design

***/: Actual No. of village is being checked to avoide overlapping villages among Year 1, Y2, and Y3 subprojects.

****/: Overlapping Village of Nam Tin Subproject

Summary of WUG/RMC Establishment

(as of March 2015)

No.	Subproject	Province	District	Village Benefit	Irrigation Area (ha)	Rural Access Road (Km)			WUG/VRMC Committee						Benefit HHs		
						[I],*/ (km)	[II],**/ (km)	[II],***/ (m)	Date establish	No. of Group	Total	M	F	% of Female	Total HHs	POP.	Female POP.
I. 1 Subproject Year 1 Batch 1																	
1	Nam Haad Right Bank Irrigation	Bokeo	Pha Oudom	1. Thinh Keo	150	**4.73**			16/6/2012	1	9	6	4	44	133	3,482	1,753
				2. Phonexay													
				3. Pha Oudom													
				4. Phiengkham													
2	Nam Dai Irrigation	Luang Namtha	Sing	1. Nam Keo Luang	157	**3.64**			24/5/2012	2	15	9	6	40	114	585	289
				2. Siri Huang													
				3. Yang Phieng													
3	Mong Chao - Komaen Rural Road	Phongsaly	Phongsaly	1. Mong Chao			**11.10**		12/6/2012	4	39	27	12	31	278	1,172	NA
				2. Phousoum													
I. 2 Subproject Year 1 Batch 2																	
1	Houay Xo Irrigation	Bokeo	Pak Tha	1. Pangsa	92	6.70			8/8/2012	3	20	12	8	40	75	370	191
				2. Dong													
				3. Pak Xo													
2	Nam Tin Irrigation	Bokeo	Houaysay	1. Phouvanetai	500	**15.06**			28/8/2012	6	44	26	18	41	326	2,125	1,032
				2. Nam Pouk													
				3. Houayxainoi													
				4. Xaychaleune													
				5. Fai													
				6. Phonexay													
				7. Phonesavang													
3	Hong Kong Irrigation	Luang Namtha	Luang Namtha	1. Ban Luang	155	**5.17**			9/7/2012	4	28	16	12	43	215	1,130	559
				2. Ban Khone													
				3. Ban Nam Ngaene													
4	Nam Ma Oune Irrigation	Luang Namtha	Long	Thad	105	**3.15**			4/7/2012	1	7	4	3	43	56	285	143
5	Nam Lan Irrigation	Phongsaly	Bountai	Naway	82	**4.24**			29/4/2012	1	5	4	2	40	98	499	227
6	Nam Ou Irrigation	Phongsaly	Gnot Ou	1. Tai	440	**8.03**			6/6/2012	5	30	20	10	33	317	1,730	829
				2. Phouxang													
				3. Theung													
				4. Kad													
				5. Loum													
Sub-total subproject Year 1				**31**	**1,681**	**51**	**11**			**27**	**197**	**124**	**75**	**38**	**1,612**	**11,378**	**5,023**
II. Subproject Year 2																	
1	Nam Bak Irrigation	Luang Namtha	Long	1. PhayaLuang	217	5.90			15/3/2014	1	7	4	3	43	411	2,102	1,024
				2. Khokhin													
				3. Nambak -Phokham													
				4. Silimoun													
2	Nam Gna 6 - Houay Louang Irrigation	Luang Namtha	Sing	1. Chom	406	6.00			5/6/2014	2	7	4	3	43	725	3,892	1,934
				2. HuayLuang							7	4	3	43			
				3. Xieng Moun													
				4. Na May													
				5. Huakhua													
				6. Xieng In													
				7. Xieng Gnuen													
3	Nam Gnang Irrigation	Luang Namtha	Luang Namtha	1. Thong Ome	355	5.70			23/5/2014	1	7	4	3	43	1,900	10,180	5,038
				2. Vieng Neua													
				3. Vieng Tai													
				4. Huakhua													
				5. Nam chang													
				6. Luang													
				7. Khone													
				8. Nam Ngaen													
4	Nam Pouk Irrigation	Bokeo	Hoauyxai	1. Nam Pouk	236	**1.56**	0.00		30/04/2014	1	9	6	3	33	751	4,580	2,244
				2. Xay chalern													
5	Houay Sat Irrigation	Bokeo	Paktha	Had Don Keo	120	5.00	4.00		04/6/2014	1	7	4	3	43	152	728	362
6	Nam Haad Left Bank Irrigation	Bokeo	Pha Oudom	1. Pha Oudom	450	5.10			25/4/2014	1	13	9	4	31	1,381	7,800	3,907
				2. Phonexay													
				3. Phiengkham													
				4. ThinKeo													
				5. PoungLath													
				6. Sibounheuang													
				7. Xaysavang													
				8. Nam Kha-Pa Lao													
				9. Somsavang													
				10. XayOudom													
				11. Donsavanh													
7	Kormen- Phongsaek Rural Road	Phongsaly	Phongsaly	1. PhongSaek			10.10		5/5/2014	1	8	5	3	38	133	645	326
				2. Phayasy						1	8	5	3	38			
8	Nam Thae Irrigation	Phongsaly	Nhot Ou	3. Don Ngaeng	140	4.80			20/03/2014	1	8	5	3	38	416	2,211	1,015
				1. Sem InMay													
				2. Navone													
				3. Nong Ngai													
				4. Bortai													
9	Nam Ngene Irrigation / Road /bride	Phongsaly	Bountai	1. Boun Tai	117	6.20			25/04/2014	1	8	5	3	38	751	3,651	1,787
				2. Noun Boun Kang													
				3. Phothong													
				4. Nawai				50 m									
Sub-total subproject Year 2				**43**	2,041 ha	40.26	14.10	50 m		11	89	55	34	38	6,620	35,789	17,637
Grand Total					3,722 ha	90.98	25.20	50 m		38	286	179	109	38	8,232	47,167	22,660
					Total Access Road (I)+(II)	**116.18 km**						63%	38%				

Note:
(1) Subproject Year 3 under F/S Preparation
[I], */ : Rural access road for Farm to Market and O&M of Irrigation facilities
[II],**/: Rural Access Road for connecting village to district/ province/ National Road
[II],**/: Bridge

GENDER ACTION PLAN (GAP) MONITORING TABLE

Date of Update 31 March, 2015

Project Title:	Northern Rural Infrastructure Development Sector Project.
Country:	Lao PDR
Project No.	Grant 0235 (SF)
Type of Project:	Grant
Approval and Timeline:	26 Nov, 2010 – 31 August 2017
Gender Category:	EGM
Mission Leader:	SisavanhPanouvong
Project Impact:	Improved Rural Household Incomes in the four northern provinces of Bokeo, LuangNamtha, Oudomxay, and Phongsaly
Project Outcome:	Increased agricultural productivity in the four northern provinces of Bokeo, LuangNamtha, Oudomxay, and Pongsly**.**

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility) based on RRP	**Major Achievement (from August 2011 to March 2014)**	**Issues and Challenges**	**Proposed to be modified/ considered**	**Achievement during the Period March 2014 – March 2015**
Component 1. Production and productivity enhancing rural infrastructure constructed and/or rehabilitated.				
1. Documented evidence of consultation with local women and women's groups (including women from ethnic minorities) prior to subproject approval.	Achieved. During the subproject selection stage, a village consultation meeting was held to decide subproject design, discuss issues and challenges, and come up with solutions. Of 958 participants, 33% (320) were women. (This is reported in the village consultation report year 2 dated 21 July 2012 and year 3 dated 29 June 2013).			
2. Selection criteria for subproject contractors should ensure the use of local labor, avoidance of construction camps and compliance with GAPs.	***Achieved.*** ***Contract Clause GCC 65.2, 65.3 and 67.1, and of relevant Particular Conditions mentioned:*** (i) Ensure the use of local labor; (ii) Equal pay for men and women for work of equal type ; and (iii) Not to employ any child to perform any work.			Achieved for Year 1 and 2 contractors. Selection/procurement of Year 3 contractors will be started in March 2015.
3. Equal pay for men and women for work of equal type.	Achieved and ongoing Payment based on type of work and equal payments are made for men and women for the same type of work.			The project have to collect information from contractors to check (i) How many men and women had been hired (ii) Comparing amount the pay for men and women for work of equal type. **Updated information as of March 2015:** **The Project is now collecting the updated information about this.**

<table>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>4. Safe working conditions for both men and women workers.</td><td><u>Achieved.</u>
Safe working conditions have been discussed by project engineer during the construction kick off meeting of 9 subprojects Year 1, which are included in the general contract condition.
2 trainings on site supervision were conducted for the resident engineers, contractors, and site supervisor teams to ensure safety and the smooth implementation of the construction works.
No serious problems related to working conditions have been encountered; to date, no accident in the workplace has occurred.</td><td></td><td></td><td></td></tr>
<tr><td>5. Local contractors will not employ child labor.</td><td><u>Achieved.</u>
Contract condition adopted
No children were employed by contractor.</td><td></td><td></td><td></td></tr>
<tr><td>6. Ensure appropriate prevention programs are implemented for HIV and human trafficking in all road rehabilitation subprojects.</td><td><u>Achieved.</u>
HIV prevention and awareness raising meetings for local people in 47 villages (for Sub project year 1 and year 2) were conducted. Of the total 5,384 participants, 2,179 were females (40%).</td><td></td><td></td><td></td></tr>
<tr><td colspan="4">Component 2. Productivity and impact enhancing initiatives adopted.</td><td></td></tr>
<tr><td>7. 30% participation of women in water user groups and their management.</td><td><u>Partly Achieved (ongoing)</u>
32 WUGs (year 1 &year 2) and achieved 19 %. There are total 118 executive members, among whom 29 (15.6%) are females to date.
Project plan:
<table>
<tr><td></td><td>No Sub-projects</td><td>No. WUG</td><td>No. WUG committee</td><td>Current /Female</td></tr>
<tr><td>Year1</td><td>8</td><td>20</td><td>144</td><td>20</td></tr>
<tr><td>Year</td><td>8</td><td>8</td><td>62</td><td>12</td></tr>
</table></td><td>Year 3 subproject is not yet established.
The community members understand that managing the water is men’s work. The</td><td>Year 1: Revise the number of WUG committees to increase the number of female member from 20 to 40 (two females</td><td><u>Updated information as of March 2015:</u>
The Project re-visited all the Year 1 and 2 subprojects to ensure 30% participation of women in each WUG. Now all the subprojects Year 1 &2 reached more than 30% of women’s participation as summarized in the table below and detailed in Appendix 6.</td></tr>
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<table>
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<tr><td>2</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Year 3</td><td>8 not establish yet</td><td>8</td><td>56</td><td></td></tr>
<tr><td>Total</td><td>24</td><td>36</td><td>262</td><td>26</td></tr>
</table>
WUGs for 8 irrigation subprojects for Year 2 were established/ registered in March to June 2014.
The total number of the executive committee members of WUGs is 62 persons, out of which 12 are women (19.4%).
The situation of women’s participation in WUG management is almost the same as that of Year 1 subprojects.
The Project will work on this issue based on the lessons learned from Year 1 subprojects in order to achieve the target after the achievement of Year 1, as soon as possible.
</td>
<td>discussion found that the they did not aware of 30% targeted for participation of women in water user groups
The mission recommended during the GAP update in October 2013 the Project discuss with village LWU to support women to get involved in the WUGs in order to reach the target. and their management.</td>
<td>per WUG).
Year 2: Ensure two females per WUG.
Year 3: Ensure three females per WUG through more gender awareness raising in year 3 subprojects.</td>
<td>
<table>
<tr><td></td><td>No Sub-projects</td><td>No. WUG</td><td>No. WUG committee</td><td>Current /Female</td></tr>
<tr><td>Year1</td><td>8</td><td>23</td><td>188</td><td>71 (37.7%)</td></tr>
<tr><td>Year 2</td><td>8</td><td>9</td><td>73</td><td>28 (38.3%)</td></tr>
<tr><td>Year 3</td><td>8 not establish yet</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>24</td><td>32</td><td>261</td><td>99 (37.9%)</td></tr>
</table>
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<tr>
<td>8. 30% participation of women on all subproject management committees (marketing initiatives, producer groups and etc.).</td>
<td><u>Achieved and continue</u>
Up to October 2014, a total of 51 FPGs of 12 subprojects. 51 (33.3%) out of 153subproject management committees members,, composed of 958 HHs members, with both husband and wife registered as members.</td>
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<tr>
<td>9. At least two capacity building trainings delivered per subproject for women to participate in subproject and community decision-making in a meaningful way (i.e. participation and</td>
<td><u>Achieved.</u>
Three (3) kinds of training were provided to each subproject under year one subprojects with a total of 680 participants, out of whom 210 were females (or 31%). These trainings included the following specific topics:
(i). Workshop on agricultural extension through demonstration activities: total of 218 participants, out of whom 63 (29%) were females;and Workshop</td>
<td></td>
<td></td>
<td><u>Year 3:</u> The capacity building trainings on decision-making for Year 3 subprojects are not yet started.</td>
</tr>
</table>

negotiation training, marketing skills and numeracy training).	on System of Rice Intensification (SRI) and OJT, and Study Tour: total of 55 participants, out of whom 3 (5%) were females; (ii) Chicken raising training: total participants of 76, out of whom 61 (or 80%) were females; (iii) Workshop on Marketing and Farmer Production Group: total of 331 participants, out of which 83 (or 25%) were females.			
10. 30% participation of women in project study tours.	Partly Achieved. 3 study tours for SRI and tea processing were conducted, with a total of 193 participants, out of whom 40 (20.7%) were female.	The project management team did not inform provincial PIU of the 30% participation of women in project study tours.	The project to inform provincial PIU of the 30% participation of women in project study tours. Next study tour must have 38% of participants are women.	Year 3: The study tours for Year 3 subprojects are not yet started.

11. Female focused extension services designed for and delivered to women with at least 30% of extension training for women.	<u>Achieved and ongoing</u> Chicken raising activities were designed for female/ and indigenous people to increase their income. Trainings for chicken raising have been conducted 12 times for the target subprojects with total 76 participants, out of whom 61 (80%) were women. The formation of chicken-raising group was worthwhile for the farmers not only because of the increased income from chicken raising but also a good start to build the capacity of women on how to set up and manage the groups. It was also a starting point for women to access technical services, marketing information and access to credit. 5 chickenraising groups were formed, composed 73 members (all were female).10 women (67%) out of 15 chicken raising groups committee members.Chicken raising activities are ongoing as “female-focused extension services”. The Project delivered 6,162 chickens to the beneficiary farmers in 12 villages of 8 subprojects in 4 provinces. One and half year have passed since this program was launched. The Project is now planning to conduct assessment focusing on i) financial sustainability of the program, ii) profitability and sustainability of the farmers by chicken raising, iii) capability of the financial management of the committee, iv) technical support by DCOs, and v) women’s participation, etc. In addition, the project provided irrigation for planting rice and to plant dry land crops such as water melon, garlic, onion and soybean. Women have benefited from selling these more profitable produce.			
12. Deliver a sanitation awareness raising campaign for domestic	<u>Achieved.</u> Gender/ Indigenous/ Hygiene and Sanitation/ HIV			

water subprojects and provide for construction of essential sanitation.	prevention awareness raising activities for local people in 47 villages (for subproject year 1 and 2) were conducted. Of the total 5,384 participants, 2,179 were females (40%).			
13. Implementing agencies will ensure land use certificates are updated in both spouses' names.	Achieved. Gender awareness campaigns for project target villages were completed for Year 1 subprojects, one of the purposes of which is to encourage women's equal status in the communities, then to expect further development for land use certificates in both spouses' names. It is recognized that what the Project can do is to encourage the women's position to be equal in the communities, then to expect further development for land use certificates in both spouses' name, only through gender awareness campaign. The project did not issue land use certificate. With Project support, a representative of village LWU was presented in village management team and stressed during village management meeting that land use certificates must be in both spouses' names.			
Component 3. Capacities of national, provincial and district agencies strengthened to enable a sector development approach.				
14. Women's groups and MAF Sub-Center for the Advancement of Women and Lao Women's Union consulted in the design of all project infrastructure improvements.	Achieved. Women's groups and MAF Sub-Center for the Advancement of Women and Lao Women's Union were consulted. In Village consultations, all village stakeholders were invited, including women's union, for discussion and analysis of issues and decision making in the design of all project infrastructure improvements.			
15. Gender mainstreaming training for NPMO,	Achieved One TOT on Gender / indigenous issues was conducted for all project targeted provinces for			

PPO and DCOs at project commencement.	NPMO, PPOS and DCOs staff on 29-30 August 2012. The project's gender requirements were also presented during the training to ensure that NPMO, PPOS and DCOs are aware of GAP. Out of 65 total participants 31% were females and 17% from ethnic groups. Based on this TOT training, PPOs and DCOs continued to conduct gender awareness campaigns at village level (Please refer to 2.6 – there is no 2.6).			
16. On going on-the-job training by NPMO Specialists for government staff to enable effective preparation and monitoring of subproject GAPs.	Achieved and continue On going on-the-job trainingby NPMO Specialists (GIC) for government staff to enable effective preparation and monitoring were completed for all PPOs and DCOs officers who are involved in the project as Community Development, Extension, Safeguard, and Irrigation officers.			
17. Gender mainstreaming training for subproject implementers and contractors at subproject commencement and at six months to identify constraints.	Achieved. Gender training provided to subproject implementers and contractors at subproject. There were no constraints found during the construction works for Year 1 subprojects - both men and women were informed about equal job opportunity. However, women preferred to do gardening rather than construction work.			.
18. Assistance (budgets) provided to MAF's Sub-center for the Advancement of Women units to deliver training to women focusing on participating in project decision making and other training that	Achieved Project works with MAF's Sub-center for the Advancement of Women network from central to provincial and district level and assisted them for field work. The staff of women units of DOPC participated in gender / indigenous training in Phongsaly province on 29-30 August 2012 and Gender/ Indigenous/ Hygiene and Sanitation/ HIV prevention awareness raising activities. TOT trainers from Provincial			

support project implementation as identified through the gender analysis of each subproject.	Project Office (PPO) and District Cooperation Office (DCO) conducted gender / indigenous training for local people in 47 villages for Sub project year 1 and 2. Of the total 5,384 participants, 2,179 were females (40%). The TOT team will continue to conduct the same training in the year 3.			
Component 4. Efficient and effective delivery of subprojects and Project management.				
19. Gender Specialists included in national and provincial subproject implementation teams.	Achieved and continue The project recruited a gender specialist in the NPMO and assigned a gender officer/focal point for each provincial, district and sub project levels and trained them to be trainers. For more details, see the NRI website at: www.nri-lao.org			
20. Social Impact Analysis, Gender Analysis and a GAP will be prepared for each subproject.	Achieved. Social Impact Analysis (SIA) was conducted for Year 1 and Year 2 subprojects, and SIA report for each subproject was prepared (as part of the feasibility study report). These feasibility study reports were approved by ADB on 23 October 2012 for Year 1 subprojects, and 18 July 2013 for Year 2 subprojects.			
21. NPMO and PPOs responsible for monitoring and reporting of GAP performance indicators, including women's participation, training and employment targets.	Achieved. NPMO and PPOs use GAP monitoring table and update it as an attachment in every progress report. PBME system was established in 30 November 2011. PBME trainings were conducted on 20, 22 and 24 February 2012 in Phongsaly, LuangNamtha and Bokeo respectively with a total of 29 participants (2 women). PPME – Monitoring OJT for PPO and DCOs staff was conducted on 14, 16, and 18 February 2013 in Nam Haad subproject (PhaOudom district, Bokeo); Nam Dai subproject (Sing district, LuangNamtha);			.

	and Nam Lan subproject(Bountai, Phongsaly district) with total 71 participants, which is comprised of 4 females and 8 ethnic group members.			
22. GAP performance included in mid-term reviews.	Achieved and continue The GAP was updated during the review mission and GAP progress will be monitored and GAP monitoring table updated during Mid-Term review.			
23. 20% of staff in NPMO and PPO are women at each level (senior management, technical and administrative / support staff).	Achieved. There were 54 staff members assigned to work in National ProjectManagement Office (NPMO) (including 1 NPMO, 4 PPOs and 9 DCOs). 23 staff were female (42.5%).Female staff worked on CDD, gender, resettlement, environment and administrative . (CDD 3 staff, gender 3 staff, resettlement 3 staff, environment 3 staff and 11 were administrative staff Lao Women's Union's members from each district contributed to be a trainer for gender awareness raising.			

Comments/ Remarks:

- Gender indicators had been revised during MTR. Based on ADB approval dated 29 August 2014. Therefore gender indicators reduced from 24 to 23. (Revised the DMF indicator "Local contractors will employ at least 15% women in construction/ rehabilitation and labor-intensive maintenance" to be: Equal opportunity to access employment with equal pay for equal work).
- The project established 32 WUGs (year 1 &year 2) and achieved 19 % against target 30% participation of women in water user groups and their management. To support women learn to work in the management level. The mission suggested that the project coordinator of each province consult with every WUGs of year 1 and year 2 for adding 2 women in each WUG committee. At the same time, the project gender consultant also discuss with village LWU to support women to get involved in the WUGs in order to reach the target and their management. Year 3: the project have to ensure that three females per WUG through more gender awareness raising in year 3 subprojects.
- The Project re-visited all the Year 1 and 2 subprojects to ensure 30% participation of women in each WUG. Now all the subprojects Year 1 &2 reached more than 30% of women's participation as summarized in the table below and detailed in **Appendix 6. (as of March 2015)**

Accomplished by: Mr. Youngyer, CD specialists (National) of NRI Project, and checked by Mr. Shimazaki, TL of GIC.

Summary of Assessment of Chicken Raising Activities

(as of March 2015)

No.	Sub Project/ village	Pro-vince	No. HHs	Chicken initially delivered by the Project	Initial Investment Cost (Kip)	No.of Revolved Lots by selling chicken	Gross income (sold amount) up to Dec. 2014 (Kip)	Current number of Chickens remains alive as Dec. 2014	Actual Amount returned to the Chicken fund committee (as Dec. 2014) (Kip)	Remaining amount to be returned to the committee (Kip)	Remaining amount to be returned to the committee (%)	Assessment
1.	**Nam Tin Irrigation**	**BKO**	**10**	**600**	**23,940,000**		**4,796,000**	**220**	**-**	**23,940,000**		**Not successfully performed:** It seems that the perfect refund will be difficult. It is reported that lots of chickens died due to some diseases. The reasons/issues for unsuccessful performance will be clarified in terms of social, economic and technical points.
1)	Houay Xai noi		5	300	11,970,000	n.a. (*)	2,729,000	92	-	11,970,000	100%	To be refund to the committee in June 2015. / (*) According to the report, the sold amount covers only 23% of the investment cost, and no refund has been made up to Dec.2014.
2)	Nam Pouk		5	300	11,970,000	n.a. (*)	2,067,000	128	-	11,970,000	100%	To be refund to the committee in June 2015. / (*) According to the report, the sold amount covers only 23% of the investment cost, and no refund has been made up to Dec.2014.
2.	**Nam Haad Irrigation**	**BKO**	**10**	**600**	**23,940,000**		**380,000**	**214**	**4,800,000**	**19,140,000**		**Fair:** It seems that the perfect refund will be difficult. It is reported that lots of chickens died due to some diseases. The reasons/issues for unsuccessful performance will be clarified in terms of social, economic and technical points.
1)	Thinkeo		5	300	11,970,000	n.a. (*)	-	79	500,000	11,470,000	96%	To be refund to the committee in June 2015. / (*) According to the report, no gross income is recorded, and the refunded amount covers only 4% of the investment cost.
2)	Pha Oudom		5	300	11,970,000	n.a. (*)	380,000	135	4,300,000	7,670,000	64%	To be returned in June 2015. / (*) According to the report, the sold amount covers only 3% of the investment cost, and the refunded amount cover 36% of the investment cost.
3.	**Huay Sat Irrigation**	**BKO**	**11**	**462**	**26,246,000**		**-**	**317**	**-**	**26,246,000**		**Just started the activities :** It seems to be early to assess the performance. The detailed assessment will be done in June 2015 in terms of social, economic and technical points.
1)	Haad Donkeo		11	462	26,246,000	n.a. (*)	-	317	-	26,246,000	100%	To be refund to the committee in June 2015. / (*) According to the report, no gross income is recorded, and no refund has been made up to Dec.2014.
4.	**Mongchao - Komaene Road**	**PSL**	**36**	**766**	**50,000,000**		105,909,300	**-**	**48,050,000**	**1,950,000**		**Very successfully performed:** It is good that one lot of each village (1,234 chickens in total) has been revolved and the farmers have received the gross income about 2.1 times of the initial investment cost. A 96.1% of the initial investment cost has been already refunded to the committee. The reasons for successful performance will be clarified in terms of social, economic and technical points.
1)	Mongchao		6	250	13,125,000	1 lot (275 chickesn purchased and sold)	27,032,600	-	11,175,000	1,950,000	15%	One HH is considered for exemption for refunding of 1,950,000 Kip because his 78 chickens died.
2)	Phousoung		11	225	9,275,000	1 lot (146 chickens purchased and sold)	19,151,200	-	9,275,000	-	0%	100% refunded.

3)	Chafou		11	116	13,750,000	1 lot (434 chickens purchased and sold)	25,238,500	-	13,750,000	-	0%	100% refunded.
4)	Komaen		8	175	13,850,000	1 lot (379 chickens purchased and sold)	34,487,000	-	13,850,000	-	0%	100% refunded.
5.	**Hongkong Irrigation**	**LNT**	**10**	**900**	**36,100,000**		**46,303,000**	**202**	**-**	**36,100,000**		**Fair:** It is reported that one lot (520 chickens) has been revolved and the farmers have received the gross income about **1.2 times** of the initial investment cost. However, it seems that the perfect refund to the committee will be difficult due to the death of lots of chickens. The final assessment of the performance will be done in June 2015 in terms of social, economical and technical points.
1)	Nam Ngaene		10	900	36,100,000	1 lot (520 chickens purchased and sold)	46,303,000	202	-	36,100,000	100%	To be refunded to the committee in June 2015. One lot (520 chickens) has been revolved. No refund has been made up to Dec.2014.
6.	**Nam Gnang Irrigation**	**LNT**	**28**	**1,100**	**18,130,000**		**87,613,000**	**-**	**-**	**18,130,000**		**Very successful:** It is good that one lot (1,010 chickens) has been revolved and the farmers have received the gross income about **4.8 times** of the initial investment cost. It seems that all the amount of the initial invest cost can be refunded to the committee. The final assessment of the performance should be done in June 2015 in terms of social, economical and technical points.
1)	Nam Chang		28	1,100	18,130,000	1 lot (1,010 chickens purchased and sold)	87,613,000	-	-	18,130,000	100%	To be refunded to the committee in June 2015. One lot (1,010 chickens) has been revolved. No refund has been made up to Dec.2014.
7.	**Nam Hao Irrigation**	**ODX**	**5**	**345**	**31,308,000**		**72,680,000**	**131**	**-**	**31,308,000**		**Very successful:** It is good that 5 lots (2,283 chickens) has been revolved and the farmers have received the gross income about **2.3 times** of the initial investment cost. It seems that all the amount of the initial invest cost can be refunded to the committee. The final assessment of the performance should be done in June 2015 in terms of social, economical and technical points.
1)	Namad		5	345	31,308,000	5 lots (2,283 chickens purchased and sold)	72,680,000	131	-	31,308,000	100%	To be refunded to the committee in June 2015. Five lots (2,283 chickens) has been revolved. No refund has been made up to Dec.2014.
8.	**Nam Beng Irrigation**	**ODX**	**5**	**430**	**25,789,500**		**111,295,000**	**-**	**-**	**25,789,500**		**Very successful:** It is good that 5 lots (2,283 chickens) has been revolved and the farmers have received the gross income about **4.3 times** of the initial investment cost. It seems that all the amount of the initial invest cost can be refunded to the committee. The final assessment of the performance should be done in June 2015 in terms of social, economical and technical points.
1)	Bangkham		5	430	25,789,500	5 lots (2,044 chickens purchased and sold)	111,295,000	-	-	25,789,500	100%	To be refunded to the committee in June 2015. Five lots (2,044 chickens) has been revolved. No refund has been made up to Dec.2014.
	Total		**104**	**4,741**	**209,207,500**		**428,976,300**	**767**	**52,850,000**	**156,357,500**		

Summary of ISF Collection

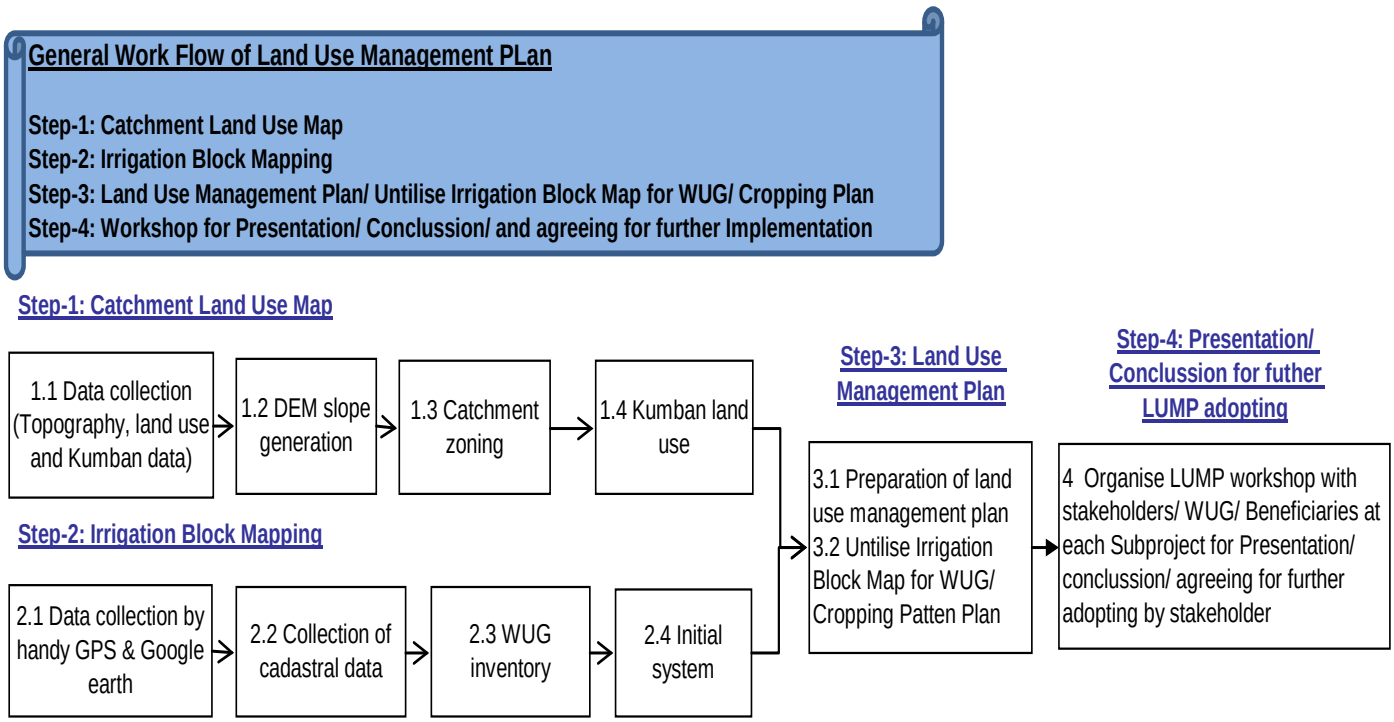
No.	Subproject	Province	Beneficiary (HH)	2014 Wet Season			2014-15 Dry Season			Construction Completed
				Actual Collected (HH)	Amount of Collected ISF (Kip)	Percentage of collected HH (%)	Actual Collected (HH)	Amount of Collected ISF (Kip)	Percentage of collected HH (%)	
	Year 1									
1	Nam Haad (Right Bank) Irri.	Bokeo	133	109	6,122,000	82%	not yet due	not yet due	not yet due	18 Dec.'13
2	Nam Dai (V)&(VI) Irrigation	LNT	114	Underway	-	-	not yet due	not yet due	not yet due	26 Feb.'14
3	Houay Xo Irrigation	Bokeo	75	Not yet	-	-	not yet due	not yet due	not yet due	28 Jan.'15
4	Nam Tin Irrigation	Bokeo	326	Underway	-	-	not yet due	not yet due	not yet due	08 Apr.'14
5	Hong Kong Irrigation	LNT	215	Not yet	-	-	not yet due	not yet due	not yet due	15 Jul.'15
6	Nam Ma Oun Irrigation	LNT	56	Not yet	-	-	not yet due	not yet due	not yet due	14 Jul.'14
7	Nam Lan Irrigation	PSL	98	23	324,000	23%	not yet due	not yet due	not yet due	09 Apr.'14
8	Nam Ou Irrigation	PSL	317	99	3,431,957	31%	not yet due	not yet due	not yet due	07 Apr.'14
	Year 2									
9	Nam Haad (Left Bank) Irri.	Bokeo	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
10	Houay Sat Irrigation	Bokeo	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
11	Nam Pouk Irrigation	Bokeo	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	02 Jul.'15
12	N. Gna (VI)- H. Louang Irri.	LNT	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
13	Nam Bak Irrigation	LNT	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
14	Nam Gnang Irrigation	LNT	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
15	Nam Thae Irrigation	PSL	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.
16	Nam Ngene Irrigation	PSL	*/	not yet due	not yet due	not yet due	not yet due	not yet due	not yet due	Not yet compl.

Note: */ under collecting the information

Achievement of Land Use Management Planning (LUMP) (as of March 2015)

1. General Work Flow of LUMP:

Land Use Management Planning is prepared according to the work procedure (steps) as presented below.



2. Progress of LUMP by Subproject

2.1 Progress of LUMP for Subproject Year 1

All the steps of LUMP for Subproject Year 1 have been completed as summarized below.

Table 1: Summary of Progress of LUMP for Subproject Year 1

Step of works, */	Subproject Name							
	Nam Haad	Nam Dai (V)&(VI)	Nam Tin	Houay Xo	Nam Ma Oun	Hong Kong	Nam Lan	Nam Ou
1.1 – 1.4	O	O	O	O	O	O	O	O
2.1 – 2.4	O	O	O	O	O	O	O	O
3.1 – 3.2	O	O	O	O	O	O	O	O
4.	O	O	O	O	O	O	O	O
Total Irrigation Command area (Ha)	150	157	500	92	105	155	82	440
Total Catchment area (km^2)	142	118	92	63	116	173	281	680

Note: O = completed, n.y. = not yet completed

*/ Step 1: Catchment Land Use Map, Step-2: Irrigation Block Mapping, Step-3: Land Use Management Plan/ Utilize irrigation block map for WUG cropping plan, Step-4: Workshop for Presentation/ Conclusion/ and agreeing for further implementation.

2.2 Progress of LUMP for Subproject Year 2

As for Subproject Year 2, the steps of 1.4, 2.2, 2.4, 3.1, 3.2 and 4 have not been completed yet as summarized below.

Table 2: Summary of Progress of LUMP for Subproject Year 2

Step of works, */	Subproject Name							
	Nam Haad Left side	Houay Sat	Nam Pouk	Nam Gnang	Nam Gna 6 – Houay Luang	Nam Bak	Nam Ngene	Nam Thae
1.1-1.3	O	O	O	O	O	O	O	O
1.4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
2.1	O	O	O	O	O	O	O	O
2.2	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
2.3	O	O	O	O	O	O	O	O
2.4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
3.1-3.2	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
Common area (Ha)	450	120	236	355	406	217	117	140
Catchment area (KM2)	79.82	23	15.90	37.80	150.42	43.67	290.53	30.85

Note: O = completed, n.y. = not yet completed
*/ Step 1: Catchment Land Use Map, Step-2: Irrigation Block Mapping, Step-3: Land Use Management Plan/ Utilize irrigation block map for WUG cropping plan, Step-4: Workshop for Presentation/ Conclusion/ and agreeing for further implementation.

2.3 Progress of LUMP for Subproject Year 3

As for Subproject Year 3, the steps of 1.1, 1.4, 2.2, 2.4, 3.1, 3.2 and 4 have not been completed yet as summarized below.

Table 3: Summary of Progress of LUMP for Subproject Year 3

Step of works, */	Subproject Name							
	Houay Lieng	Houay Sa	Nam Chae	Nam Ngaene – Thong Paene	Houay Makmue	Nam Gna 4-5	Nam Xang	Nam Gnene-Namak
1.1	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
1.2-1.3	O	O	O	O	O	O	O	O
1.4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
2.1	O	O	O	O	O	O	O	O
2.2 -2.4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
3.1-3.2	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
4	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.	n.y.
Common area (Ha)	270	110	240	290	134	222	220	185
Catchment area (KM2)								

Note: O = completed, n.y. = not yet completed
*/ Step 1: Catchment Land Use Map, Step-2: Irrigation Block Mapping, Step-3: Land Use Management Plan/ Utilize irrigation block map for WUG cropping plan, Step-4: Workshop for Presentation/ Conclusion/ and agreeing for further implementation.

Agricultural Extension (1): SRI and Commercial Crop Demonstration

No.	Subproject	Prov-ince	Implementation Period									
			Completed					ongoing	Plan			
			2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
			WS 12	D12-13	WS 13	D13-14	WS 14	D14-15	WS 15	D15-16	WS 16	D16-17
	Year 1											
1	Mongchao-Kormen Road	PSL		Tea Nu.								
2	Nam Ou Irrigation	PSL		SRI+P.	SRI		SRI					
3	Nam Lan Irrigation	PSL		SRI	SRI							
4	Nam Dai (V)&(VI) Irrigation	LNT	SRI									
5	Nam Ma Oun Irrigation	LNT			SRI		SRI					
6	Hong Kong Irrigation	LNT		SRI+P.	SRI							
7	Nam Haad (Right Bank) Irri.	Bokeo	SRI	SRI+P.	SRI			SRI				
8	Houay So Irrigation	Bokeo		SRI+P.	SRI		SRI					
9	Nam Tin Irrigation	Bokeo		SRI+S.	SRI	Soybean	SRI					
10	Nam Mao Irrigation	ODX		SRI	SRI	SRI	SRI	SRI				
11	Nam Beang Irrigation	ODX		SRI+S.	SRI	SRI	SRI	SRI				
	Year 2											
12	Komen-Phongsaek Road	PSL					Tea Nu.					
13	Nam Thae Irrigation	PSL			SRI		SRI					
14	Nam Ngene Irrigation	PSL			SRI							
15	N. Gna (VI)- H. Louang Irri.	LNT					SRI					
16	Nam Bak Irrigation	LNT			SRI		SRI					
17	Nam Gnang Irrigation	LNT			SRI	Peanut	SRI	Peanut				
18	Nam Haad (Left Bank) Irri.	Bokeo			SRI	SRI	SRI					
19	Houay Sat Irrigation	Bokeo			SRI		SRI					
20	Nam Pouk Irrigation	Bokeo			SRI	Soybean	SRI	Soybean				
21	Nam Hin Irrigation	ODX			SRI		SRI	SRI				
22	Nam Hao Irrigation	ODX			SRI	SRI	SRI	SRI				
	Year 3											
23	Nam Ngene- Namark Irri.	PSL										
24	Nam Xang Irrigation	PSL					SRI					
25	Nam Gna (IV)&(V) Irrigation	LNT						Peanut				
26	Houay Marmue Irrigation	LNT										
27	Nam Ngene-Thonpaene Irri.	LNT										
28	Houay Lieng Irrigation	Bokeo										
29	Houay Sa Irrigation	Bokeo										
31	Nam Chae Irrigation	Bokeo										

Note:

1) SRI : 2 Wet seasons in each subproject

2) Commercial crops (peanut and soybean) : Some subprojects in dry season according to the adapted area and water available depending on the situation of the civil works.

3) SRI + P. : SRI + Peanut, SRI + S. = SRI + Soybean, Tea Nu. = Tea Nursery

4) D12-13 = Dry Season 2012-13

5) n.a. = Data not available. Under confirmation.

Agricultural Extension (2): Farmer Cooperators for Demonstration

No.	Subproject	Prov-ince	Implementation Period									
			Completed					ongoing	Plan			
			2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
			WS 12	D12-13	WS 13	D13-14	WS 14	D14-15	WS 15	D15-16	WS 16	D16-17
	Year 1											
1	Mongchao-Kormen Road	PSL		22								
2	Nam Ou Irrigation	PSL		5+6	2		5					
3	Nam Lan Irrigation	PSL		10	37							
4	Nam Dai (V)&(VI) Irrigation	LNT	8									
5	Nam Ma Oun Irrigation	LNT			8		8					
6	Hong Kong Irrigation	LNT		9+5	8							
7	Nam Haad (Right Bank) Irri.	Bokeo	8	8+4	8			25				
8	Houay So Irrigation	Bokeo		11+4	9		7					
9	Nam Tin Irrigation	Bokeo		17+5	15	12	16					
10	Nam Mao Irrigation	ODX		8	8	22	23	20				
11	Nam Beng Irrigation	ODX		24+39	31	31	33	27				
	Year 2											
12	Komen-Phongsaek Road	PSL					53					
13	Nam Thae Irrigation	PSL			13		7					
14	Nam Ngene Irrigation	PSL			22							
15	N. Gna (VI)- H. Louang Irri.	LNT					7					
16	Nam Bak Irrigation	LNT			8		11					
17	Nam Gnang Irrigation	LNT			8	8	8	5				
18	Nam Haad (Left Bank) Irri.	Bokeo			8	20	28					
19	Houay Sat Irrigation	Bokeo			8		18					
20	Nam Pouk Irrigation	Bokeo			8	12	8	32				
21	Nam Hin Irrigation	ODX			8		8	7				
22	Nam Hao Irrigation	ODX			8	31	11	7				
	Year 3											
23	Nam Ngene- Namark Irri.	PSL										
24	Nam Xang Irrigation	PSL					4					
25	Nam Gna (IV)&(V) Irrigation	LNT						4				
26	Houay Marmue Irrigation	LNT										
27	Nam Ngene-Thonpaene Irri.	LNT										
28	Houay Lieng Irrigation	Bokeo										
29	Houay Sa Irrigation	Bokeo										
31	Nam Chae Irrigation	Bokeo										
	Total		**16**	**40**	**217**	**136**	**255**	**127**				

Note:

1) SRI : 2 Wet seasons in each subproject

2) Commercial crops (peanut and soybean) : Some subprojects in dry season according to the adapted area and water available depending on the situation of the civil works.

3) D12-13 = Dry Season 2012-13

4) n.a. = Data not available. Under confirmation.

Agricultural Extension (3): Comparison of SRI Demo Plot and General Rice Area

No.	Subproject	Province	No.of FC (HH)	Area (ha)	Yield (ton/ha)	Area (ha)	Yield (ton/ha)
2013 Wet Season			**SRI Demonstration Plot**			**General Rice Area**	
1	Nam Beng Irrigation, */	ODX	31	2.32	6.78	80	5.53
2	Nam Hao Irrigation	ODX	8	1.33	6.50	131	5.12
3	Nam Mao Irrigation	ODX	8	1.28	6.22	93	4.84
4	Nam Hin Irrigation	ODX	8	1.30	6.20	41	4.71
5	Nam Ou Irrigation	PSL	2	0.32	6.00	440	4.60
6	Nam Thae Irrigation	PSL	13	1.67	6.04	140	4.85
7	Nam Lan Irrigation	PSL	37	10.00	5.35	82	4.86
8	Nam Ngene Irrigation	PSL	22	8.51	5.40	117	4.50
9	Hong Kong Irrigation	LNT	8	1.28	5.56	155	4.62
10	Nam Gnang Irrigation	LNT	8	1.28	5.12	355	4.81
11	Nam Ma Oun Irrigation	LNT	8	0.72	4.92	95	4.29
12	Nam Bak Irrigation	LNT	8	0.47	4.91	217	4.24
13	Nam Haad (RB) Irrigation	Bokeo	8	1.32	6.12	163	4.00
14	Nam Haad (LB) Irrigation	Bokeo	8	1.59	6.35	320	4.00
15	Houay Xo Irrigation	Bokeo	9	1.38	6.45	92	4.00
16	Houay Sad Irrigation	Bokeo	8	1.26	7.76	120	4.20
17	Nam Tin Irrigation	Bokeo	15	2.63	7.38	237	4.50
18	Nam Pouk Irrigation	Bokeo	8	1.50	7.82	116	4.20
Total of 4 provinces (2013 Wet Season)			**217**	**40.16**		**2,994**	

2013-14 Dry Season			**SRI Demonstration Plot**			**General Rice Area**	
1	Nam Beng Irrigation, */	ODX	31	3.84	6.50	3	4.20
2	Nam Hao Irrigation, **/	ODX	31	2.26	6.00	2	4.20
3	Nam Mao Irrigation, ***/	ODX	22	2.50	5.60	7	4.50
4	Nam Haad (LB) Irrigation	Bokeo	20	3.20	6.39	241	4.70
Sub-total of Rice Production			**104**	**11.80**		**253**	
			Peanut Demo Plot				
1	Nam Gnang Irrigation	LNT	8	0.87	3.29		
			Soybean Demo Plot			**Genaral Soyben Aea**	
1	Nam Tin Irrigation	Bokeo	12	1.92	2.56	40	1.25
2	Nam Pouk Irrigation	Bokeo	12	1.92	2.56	60	1.70
Sub-total of Soybean Production			**24**	**3.84**		**100**	

Note: */ Two (2) Farmer Cooperator Groups, Group 1 = 16 HHs, Group 2 = 15 HHs.
**/ Two (2) Farmer Cooperator Groups, Group 1 = 15 HHs, Group 2 = 16 HHs.
***/ Two (2) Farmer Cooperator Groups, Group 1 = 8 HHs, Group 2 = 14 HHs.

No.	Subproject	Province	No.of FC (HH)	Area (ha)	Yield (ton/ha)	Area (ha)	Yield (ton/ha)
2014 Wet Season			**SRI Demonstration Plot**			**General Rice Area**	
The Project is now collecting the information.							

Agricultural Extension (4): Farmer Study Tour

Year 1 Study Tour

No.	Province	PPO (female)		DCO (female)		Farmers (female)		Total (female)	
I.	Visted Nam Pa Irrigation Scheme at Luangprabang proince (11-13 March 2013)								
1	Bokeo	2	(1)	3	(0)	21	(5)	26	(6)
2	Luangnamtha	1	(0)	3	(1)	21	(5)	25	(6)
3	Phongsaly	1	(1)	2	(0)	14	(2)	17	(3)
4	Oudomxay	2	(1)	2	(0)	14	(6)	18	(7)
II.	Visited In Puer in China (tea production and processing) (19 March 2013)								
5	Phongsaly	4	(2)	2	(1)	7	(0)	13	(3)
	Total	10	(5)	12	(2)	77	(18)	99	(25)
								(%) =	**25%**

Year 2 Study Tour

No.	Province	PPO (female)		DCO (female)		Farmers (female)		Total (female)	
I.	Visited Dry Season Commercial Crops contact Farming in LNT (12-15 March 2014)								
1	Bokeo	1	(0)	3	(0)	21	(2)	25	(2)
2	Phongsaly	3	(1)	2	(1)	21	(3)	26	(5)
3	Oudomxay	1	(0)	2	(0)	14	(4)	17	(4)
II.	Visited Dry Season Commercial Crops contact Farming in Buntai, PSL (9-12 March 2014)								
4	Luangnamtha	1	(0)	3	(1)	21	(4)	25	(5)
	Total	6	(1)	10	(2)	77	(13)	93	(16)
								(%) =	**17%**

Year 3 Study Tour (not yet done)

No.	Province	PPO (female)	DCO (female)	Farmers (female)	Total (female)
1	Bokeo				
2	Luangnamtha				
3	Phongsaly				
4	Oudomxay				
	Total				
					(%) =

Summary of Farmer Production Group (FPG) Y1&Y2

(Updated March 2015)

No.	Name of Subproject	Name of FPG, */	FPG Committee				Members (HHs)
			Male	Female	Total	% Female	
	I. Bokeo Province						
1	Nam Haad left bank irrigation	Rice production group 1	2	1	3	33.3	30
		Rice production group 2	2	1	3	33.3	15
		Rice production group 3	2	1	3	33.3	19
		Rice production group 4	2	1	3	33.3	28
		Seed Production Group	3	1	4	25.0	25
2	Houay Xo irrigation	Rice production group 1 (Dong weir)	2	1	3	33.3	42
		Rice production group 2 (Pang Sa weir)	2	1	3	33.3	23
		Rice production group 3 (Pak Xo weir)	2	1	3	33.3	23
3	Nam Tin irrigation	Rice production group 1	2	1	3	33.3	25
		Rice production group 2	2	1	3	33.3	26
		Rice production group 3	2	1	3	33.3	28
4	Huay Sat irrigation	Rice production group	2	1	3	33.3	89
5	Nam Haad right bank irrigation	Rice production group 1	3	2	5	40.0	87
		Rice production group 2	2	1	3	33.3	36
		Rice production group 3	3	1	4	25.0	17
	Sub-total	15	33	16	49	32.7	513
	II. Phongsaly Province						
1	Mongchao-Komaen access road	Tea group MongChao	2	1	3	33.3	128
		Tea group Phouxoum	2	1	3	33.3	45
		Tea group Champhou	2	1	3	33.3	52
		Tea group Loungjing	3	4	7	57.1	123
2	Komaen-Phongsaek access road	Tea group Phong Saek	2	2	4	50.0	71
3	Nam Lan irrigation	Dry season crop group	2	2	4	50.0	98
4	Nam Ou irrigation	Dry season crop group at Kad village	2	1	3	33.3	14
		Dry season crop group at Tai village	2	1	3	33.3	28
		Dry season crop group at Loum village	2	1	3	33.3	43
	Sub-total	9	19	14	33	42.4	602
	III. Luang Namtha Province						
1	Hongkong Irrigation	Rice production group	4	2	6	33.3	6
		Peanut production group	1	2	3	66.7	2
2	Nam Gnang Irrigation	Rice production group	2	1	3	33.3	5
		Peanut production group	2	1	3	33.3	5
3	Nam Dai (IV)&(V) irrigation	Rice production group	3	1	3	33.3	5
4	Houay Luang irrigation	Rice production group	2	1	3	33.3	4
		Peanut production group	2	1	3	33.3	4
5	Nam Ma Oun irrigation	Rice production group	2	1	3	33.3	5
6	Nam Bak Irrigation	Rice production group	2	1	3	33.3	5
		Pumpkin production group 1	2	1	3	33.3	18
		Pumpkin production group 2	2	1	3	33.3	18
		Pumpkin production group 3	2	1	3	33.3	26
	Sub-total	12	19	9	27	33.3	90
	IV. Oudomxay Province						
1	Nam Mao irrigation	Rice famer group 1	3	0	3	0.0	7
		Rice famer group 2	3	0	3	0.0	13
2	Nam Hin irrigation	Rice famer group	3	0	3	0.0	7
3	Nam Beng irrigation	Rice famer group 1	3	0	3	0.0	13
		Rice famer group 2	3	0	3	0.0	14
		Chicken raising group	1	2	3	66.7	3
4	Nam Hao irrigation	Rice famer group	3	0	3	0.0	7
	Sub-total	7	19	2	21	9.5	64
	Total of FPG	**43**	**90**	**41**	**130**	**31.5**	**1,269**

Note: */ under WUG in the irrigation subprojects, and under RMC in the road subprojects.

Summary of Contract Farming supported by the Project

I. 2013-14 Dry Season

1.1 Planned Contract Farming at the beginning of Dry Season (Contract Farming Meeting)

	Subproject	No.of FPG planning to contract	No.of HH members	No.of Traders	Specified Crop
1	Nam Haad Irrigation	4	68	3	Rice
2	Nam Bak Irrigation	3	67	3	Pumpkin
3	Mongchao-Kormaen Road	16	274	8	Tea
	Total	**23**	**409**	**14**	

1.2 Signed Contract Farming

	Subproject	No.of FPG made contract	No.of HH members	No.of Traders	Specified Crop	Situation of Contract as of Feb.2014
1	Nam Haad Irrigation	4	68	3	Rice	signed with 3 traders
2	Nam Bak Irrigation	3	67	1	Pumpkin	signed with 1 chinese investors
3	Mongchao-Kormaen Road	16	274	3	Tea	plan to sign in March 2014
	Total	**23**	**409**	**7**		

1.3 Sold Products under Contract Farming

1.3.1 Rice (Nam Haad Irrigation subproject)

							Sold to contracted traders		Sold to outside traders	
FPG	Village	FPG members	Cropped Area (ha)	Ave.Yield (ton/ha)	Production (ton)	Traders contracted withFPG	(ton)	('000Kip /ton)	(ton)	('000Kip /ton)
FPG 1	Ban Thinhkeo	20	17.34	4.50	78.03	Mr. May Ma	20.70	2,050	33.92	2,125
FPG 2	Ban Phaoudom	15	10.42	4.50	46.89	Mrs. Onekeo	7.00	2,000	25.82	2,125
FPG 3	Ban Phaoudom	16	13.95	4.50	62.78	Mrs. Onekeo	6.50	2,000	37.44	2,125
FPG 4	Phaoudom, Phonxay, Xaysavaang	17	13.07	4.50	58.82	Mrs. Kong Soy	-	-	41.17	2,125
	Total	**68**	**54.78**	**4.50**	**246.52**	3 traders	**34.20**		**138.35**	
							14%	(*)	**56%**	(*)

Note: (*) The farmers store the rest of paddy rice about 30% (73.95 tons)

1.3.2 Pumpkin (Nam Bak Irrigation subproject)

FPG	Village	FPG members	Cropped Area (ha)	Ave.Yield (ton/ha)	Production (ton)	Traders contracted withFPG	Sold to contracted traders (ton)	('000Kip /ton)
FPG 1	Ban Nam Bak	21	27.9	27.0	753.3	Mr. Somdy	753.3	600
FPG 2	Ban Nam Bak	21	18.9	27.0	510.3	Mr. Somdy	510.3	600
FPG 3	Ban Nam Bak	33	40.8	27.0	1101.6	Mr. Somdy	1101.6	600
	Total	**75**	**87.6**	**27.0**	**2365.2**	1 trader	**2365.2**	

1.3.3 Tea (Mongchao Road subproject)

Tea (fresh leaves) were harvested from March to August 2014, and sold in 6 months.

(Normally, tea harvesting period is 8 months in each year)

FPG	Village	FPG members	Kind of tea	Cropped Area (ha)	Harvested (ton) Fresh Le.	Harvested (ton) Dry leaves	Total (ton)
FPG 1	Mongchao	128	small	143	57.6	0	57.6
FPG 2	Phousum	45	small	46	19.0	1.5	20.5
FPG 3	Champhou	86	small	51	21.7	0	21.7
FPG 4	Lungching	86	big (400 ys.)	123	54.9	0.3	55.2
	Total	**345**	**0**	**363**	**153.2**	**1.8**	**155.0**

Sold to Traders under Contract Farming (CF)	TPG 1 (Monghchao) (ton)		TPG 2 (Phousum) (ton)		TPG 3 (Champhou) (ton)		TPG 4 (Lungching) (ton)		Total (ton)	
Traders	Fresh Le.	Dry leaves	Fresh Le.	Dry leaves	Fresh Le.	Dry leaves	Fresh Le.	Dry leaves	Fresh Le.	Dry leaves
1. Khamphanh Company	2.0	-	0.5	1.0	0.5	-	20.0	0.3	23.0	1.3
2. Yu Xun Ene Company	3.0	-	1.0	-	1.0	-	3.0	-	8.0	-
3. Mr. Yinxay tang	0.7	-	-	0.3	-	-	15.0	-	15.7	0.3
4. Mr. Boun Chanh Keomany	-	-	-	-	-	-	4.4	-	4.4	-
Sold amount of tea to traders under CF	**5.7**	**-**	**1.5**	**1.3**	**1.5**	**-**	**42.4**	**0.3**	**51.1**	**1.6**
Harvested amount	**57.6**	**0**	**19**	**1.5**	**21.7**	**0**	**54.90**	**0.3**	**153.2**	**1.8**
Percentage of the amount sold under CF	10%	0%	8%	87%	7%	0%	77%	100%	33%	89%

II. 2014-15 Dry Season (ongoing)

Status of Agreed upon Follow up Actions
from ADB Review Mission, 14 to 28 November 2014

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
1	Submit a request for grant reallocation together with the request for GIC contract variation in light of additional TA inputs for preparing additional financing (para 20 & 27)	NPMO	31 Mar '15	• Request for the grant reallocation for additional TA inputs was sent from MOF (No.327/MOF) to ADB on 12 Feb. 2015. • ADB agreed with the grant reallocation for additional TA inputs on 25 Feb.2015. • The EA submitted a request letter to ADB for contract variation for consulting service of GIC for additional inputs for the S-PPTA for additional financing on 13 Feb.2015. • ADB approved the contract variation No.18 of GIC on 25 Feb.2015. • Addendum No.18 of GIC was signed on 02 March 2015.	Completed
2	Report status of implementation of 5 pending MTR agreed actions in next quarterly progress report (para 31)	NPMO	20 Jan '15		
(i)	Determine responsibility and prepare an action plan for settling the damage to property on the Mongchao road			**I. Tea plantation area affected** Three (3) times of follow up meeting have been organized at Mongchao village participated by concerned people including the affected villagers, village authorities, PPO, DCO, NPMO/GIC and an external safeguard monitoring team, as summarized below. **(1) 1st meeting:** 24 March 2014 - The Provincial and District authorities will be responsible	I. Tea plantation area: Completion of the district governor's approval. Document and measurement preparation to be continuously

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status
					As of 31 Mar.'15
				for assisting the 2 affected villagers (Mr. Soukphone Sayasao and Mr. Phae Gnai) in the following two ways, i) allocate new land at Ban Kokong for the 2 affected villagers, and ii) compensate for tea plants destroyed. - The land that will continue to slide has already been allocated a place for disposal. **(2) 2nd meeting**: 09 June 2014 - The 2 affected villagers will not request for the compensation of the land by land at Ban Kokong as it is quite far and it will take time to grow tea until harvesting time with some labour cost. - The 2 affected villagers has strongly confirmed to request only the compensation for the affected tea trees from district and provincial authorities and no request for any compensations for the affected land parcel. - A record was produced as an evidence of the meeting. **(3) 3rd meeting:** 08 December 2014 Confirmed by the external safeguard monitoring team that no progress has been made since the last meeting was held on 09 June 2014. **(4) Letter from NPM to PPO:** On 09 January 2015, the NPM issued the letter to the PPO Phongsaly requesting for an action plan for settling the damage to property on the Mongchao road. **(5) Letter approval by District Governor** According to the request of the affected household, an agreement letter has been issued by district governor on 10	monitored by the Project.

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
				February 2015 indicating that agreed to give one piece of agriculture land for Mr. Phonesouk and Ms. Phay Yai located at Mongchao forest conservation area, with a total area of 30m x 30m = 900m^2 for compensation as Land to Land for the affected land by Mongchao – Komaene Road construction. (**See App. 14 (1)**). The measurement and land ownership document preparation with concerned office are now underway.	
				II. Housing land loses at Komaen village. Refer to Safeguard Monitoring Report (Feb 2015) reported in Page 61. **(See App.14 (1))**	II. Housing land losses: Ongoing follow up
				III. Potential impact to secondary infrastructure by Nam Gnang Subproject Refer to Safeguard Monitoring Report (Feb 2015) reported in Page 60. **(See App.14 (1))**	III. Secondary infrastructure: Completed
(ii)	increase the subaccount ceiling from $50,000 to $100,000			The subaccount ceiling of NPMO and 2 PPOs (LNT and Bokeo) was increased from $50,000 to $80,000 in March 2015. The subaccount ceiling of PPO (PSL) will be increased in Q2 2015.	Completed of subaccount ceiling increase in NPMO and 2

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status
					As of 31 Mar.'15
					PPOs (LNT and Bokeo), while PSL is underway.
(iii)	recruit detailed design and construction supervision consultants for the Year 3 subprojects			Contracts for Package 12, 13 and 14 were awarded on 19 December 2014.	Completed in Dec. 2014.
(iv)	submit for comment and guidance the IPPs for Year 3			Following the ADB comments, a model Ethnic Group Development Plan for Year 3 subproject was developed. The revisions for the remaining 7 EGDPs were made based on the both of Mavi's and Chansouk's comments, then submitted to ADB on 20 December 2014. The final comments were made by ADB on 09 January 2015, then GIC finalized all the 7 EGDPs on 11 January 2015.	Completed. The final EGDPs were completed on 11Jan. 2015.
(v)	complete IP safeguard requirements/documentation for Year 1 and 2			1) Draft concept of SIA on Ethnic Groups in Year 1 and 2: For conducting SIA on Ethnic Group for Year 1 and 2 subprojects, the Project submitted a draft concept of SIA on Ethnic Groups in Years 1 and 2 Subprojects to the ADB review mission 14 to 28 November, 2014. 2) Comments on the draft concept of SIA and proposed a hand-holding approach for the SIA: ADB proposes a hand-holding approach for the SIA with 3 major steps: (1) screening and desk review, (2) impact identification and analysis, and (3) report writing, as described below.	Not yet started. Expected to start SIA on IP (EG) for Year 1 and 2 subprojects in May 2015.

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
				Step 1: Screening and desk review 1.1: Verify if all ethnic groups as per ADB's definition were identified. Results of this verification need to be captured in the screening form for EGDPs. Please send me the accomplished screening forms. 1.2: For subprojects categorized as "B," generate the demographic profile of each ethnic group. (Send Mavi the Excel file when finished.) Step2: Impact identification and analysis 2.1: Select 1 Category B subproject that we can use as a sample for the other projects.(Send Mavi the selected subproject name.) 2.2: Develop interview questions for leaders and ethnic groups and ethnic groups and representatives of Lao Front, and focus group discussion (FGD) guides for each subgroup (i.e., women, poor). (Send Mavi the interview questions and the FGD guides when finished.) 2.3: Conduct field visits. Step3: Report writing 3) **Next step:** However, as the GIC resources are limited, the SIA on Ethnic Groups was postponed after receiving the comments by ADB on 21 November 2014. *In parallel, the GIC is required to carry out a study of the emerging impacts of the subprojects during the S-PPTA that have been completed for more than a year. The benefits and economic impacts will be comprehensively documented*	

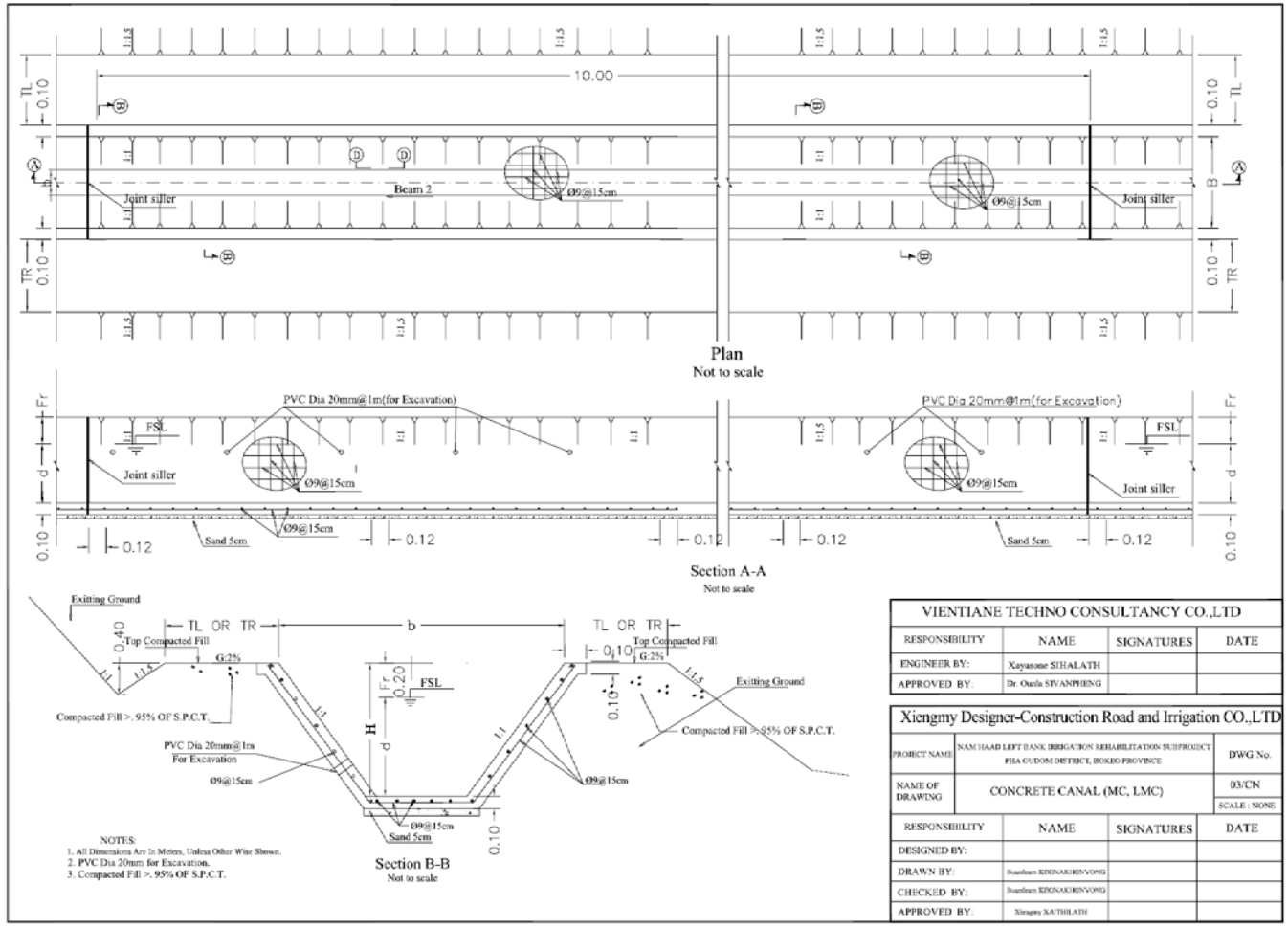
No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
				into a consolidated report for the purpose of demonstrating the projects good impact. The GIC team is now considering how to combine this study with the SIA for Year 1 and 2 without overburdening ourselves.	
3	Ascertain the current best practice in Lao and determine if corrective measures are needed for resolving technical issues of Nam Haad subproject (para 32 (i)): *"It was noted that expansion and contraction joints were not constructed into the canal as is the case in all of the subprojects visited. With diurnal temperate variations in the hot season of 20°C or greater, the cracking of the concrete lining could be a risk.:* **Picture 01**: Construction of the Concrete Lining during the ADB mission 	BK PPO, GIC team, NPMO	31 Jan '15	A meeting with VTC (Consultant Company) was conducted on 22 Dec. 2014 at NRI office to confirm the actual situation about this issue for all the completed and/or ongoing subprojects referring to the technical specification in D8.19 Joints (Construction Joints, Expansion and Contraction Joints) of Division 8: Concrete Works. We understand the technical issues pointed out by ADB and would like to further ensure the practical way from now on as follows. • In case of the expansion and contraction joints were not constructed into the canal, it could be a risk and caused the cracking of the concrete lining will occur. The Technical Specification is stipulated in Division 8, Clause D8.19 (1) "Construction Joints" and (2) "Expansion and Contraction Joints" and Clause D8.20 " Joint Filters". The Materials to place the entire contact surface of the joints shall consist of a bituminous (asphalt or tar) mastic composition. The mastic shall comprise mineral filler and reinforcing fibers, formed and encased between two layers of bituminous impregnated felt. • During the Construction of the canal, the Resident Engineer instructed to the Contractor Engineer to make	Completed the proposed improved measures to be taken. Continuous monitoring and follow up is needed to ensure the improved measures.

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
	Picture 02: New Construction of the Concrete Lining **Picture 03:** New Construction of the Concrete Lining 			sure that the expansion or contraction joints should be constructed as prescribed at the location on the Design Drawings. In effect, the Contractor continuously poured concrete into the bed of the canal, only reinforcement and the side slop of the canal were placed as indicated on the Drawings, (Please see the pictures below for more details). • To repair it, the Consultant has recommended that the Contractor should cut the concrete surface where the location of the Expansion or Contraction Joint are stipulated on the Design Drawings or at the location of the Contraction or Expansion were constructed along the canal, and to make sure that is not cut the steel bars inside the concrete lining, then place a bituminous (asphalt or tar) mastic composition into the joints to reduce a risk occurrence, caused the cracking of concrete lining. • For the new construction, the Consultant has recommended to the Contractor to construct the lining canal as mentioned on Design Drawings as details on the pictures attached.	

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status
					As of 31 Mar.'15

Picture 04:

A sample of Design Drawings showing Joint filler



No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
4	Initiate measures to consider these three issues identified by the Mission on Nam Pouk subproject and report status in quarterly report (para 32 (iii))	BK PPO, GIC, NPMO	20 Apr GI	**Two (2) technical issues of:** *i) the sidewall and the concrete floor of weir stilling basin is failing;* *ii) the condition of the canal flow dividing gates were old and could be replaced with more efficient and easy to operate gates.* • A meeting with VTC (Consultant Company) was conducted on 22 Dec. 2014 at NRI office to confirm the actual situation about the two technical issues and discuss the next follow up actions. • NPMO instructed VTC on 29 December 2014 to assist PPO to organize a meeting with concerned parties including PPO/DCO and Contractor (Xailong) in order to find out the solutions for the problems above. • Site meeting and field visit was conducted on 28 January 2015, with participation of PPO, DCO, Contractor and VTC, Deputy Director of PAFO. Conclusion with agreement by contractor to re-build the sidewall and the concrete floor of weir stilling basin (with an extension about 10m long). • However, it was concluded that the replace of dividing gates would not be included because of limited budget and putting a high priority to the weir stilling basin protection works. • ***(See Photos 1 to 4 below)***	

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
	 Photo1: *Improved sidewall and the concrete floor of weir stilling basin (Nam Pouk Irrigation Subproject)*			 ***Photo2:*** *Improved sidewall and the concrete floor of weir stilling basin (Nam Pouk Irrigation Subproject)*	Technical issue (1): Completed: Continual monitoring is needed to ensure condition under control.

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
	 Photo 3: *The Improvement of canal flow dividing gates/ replacement with more efficient and easy to operate gates were not included in the works of this subproject.*			 ***Photo 4:*** *The Improvement of canal flow dividing gates/ replacement with more efficient and easy to operate gates were not included in the works of this subproject.*	Technical issue (2): not included in the works.
	Technical issue (2): The reason why the improvement works were not included: i) During the DD stage, the priority was put on canal concrete lining in order to use limited water during the dry season. ii) Water flow of Nam Pouk is small, thus it is easy to operate gate by manual like stop log type of gate. iii) Operation of water distribution is simple, open or close with one week rotation, which the beneficiary farmers have done for long time, and the farmers request was also putting high priority to canal lining. iv) Since the gates are small, stop logs are cheaper than steel gate for the farmers in terms of O&M cost.				
				One (1) environmental issue: *A banana plantation is located adjacent to the command area of the scheme* *Empty chemical containers, including fungicides and pesticides for use in the plantation were observed beside*	Environmental issue: Completed: Continual monitoring is

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
				the canal. It appears that the chemicals were mixed beside the canal allowing contaminated water to enter into the canal. • The Project asked the PPO/DCO to confirm the actual situation and the initiate measures. • A meeting was conducted in Nam Pouk village on 29 January 2015, with participation by PPO, Province & District Natural Resource and Environment Office, DCO, village authority and 3 banana plantation companies that planted banana in the area. The meeting was concluded with the agreements between both sides and signed a minute. The following is the summary of agreement: i) The 3 companies agreed to follow the environment regulation by digging their drain at the lowest part of their banana field to ensure that used chemicals will not spill out to the outside of their land (both dry season and rainy season). ii) The 3 companies agreed not to continue using water source of Nam Pouk Irrigation (including upstream and a long main canal). iii) The 3 companies agreed not to through away their chemical containers (bags) to the outside of their land and keep them in the right place within their land. iv) In case of banana planter not following the agreement, they are happy for the GOL and office concerned to impose a penalty on them following the environment regulation.	needed to ensure condition under control.
5	Assess the work needed to secure the dam along with a review of the	GIC, LNT PPO,	31 Jun	• A meeting with VTC (Consultant Company) was conducted on 22 Dec. 2014 at NRI office, and concluded	Ongoing

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
	stability of the Nam Tin reservoir and propose prudent measures (para 32 (vi))	NPMO	'15	that VTC supported by GIC to conduct a short assessment study (for Nam Tin Dam and Houay Louang Dam). • Field visit was conducted in January 2015, and the study is ongoing.	
6	Investigate additional improvements downstream of the weir to control the erosion observed in Hongkong subproject and report status in the Q1 2015 progress report (para 32 (vii))	GIC, LNT PPO, NPMO	20 Apr '15	• A meeting was held with VTC (Consultant Company) on 22 December 2014 at NRI office. VTC is responsible for the detailed design of Nam Ngaene Thong Paene (Nam Ngaene TP) Irrigation Rehabilitation of Year 3 subproject, the weir of Nam Ngaene TP is located about 500 m upstream from the Nam Ngaene weir along the Nam Ngaene river. (Hongkong is the left bank main canal of Nam Ngaene weir. • During the meeting with VTC, it was confirmed that VTC will conduct a small study on i) additional improvements downstream of the Nam Ngaene weir to control the erosion. • Topographical survey of improvements downstream of the Nam Ngaene weir to control the erosion was completed in February 2015, and now is under detail design. • It is determined that the improvement works of downstream of the Nam Ngaene weir will be included in Nam Ngaene TP Irrigation Rehabilitation of Year 3 subproject.	Ongoing
7	Discuss with the MAF's M&E section and identify what could be supported by the Project including the possibility to integrate ADB's ANR sector result framework into	NPMO	20 Jan '15	• The project achievement under this activity has been mainly to establish an M&E system at the project level. After the MTR, the Project provided support to the MAF's M&E Section to carry out 2 times of workshop trainings on ProMIS in the project's districts and provinces.	Completed for the 2nd round training on ProMIS.

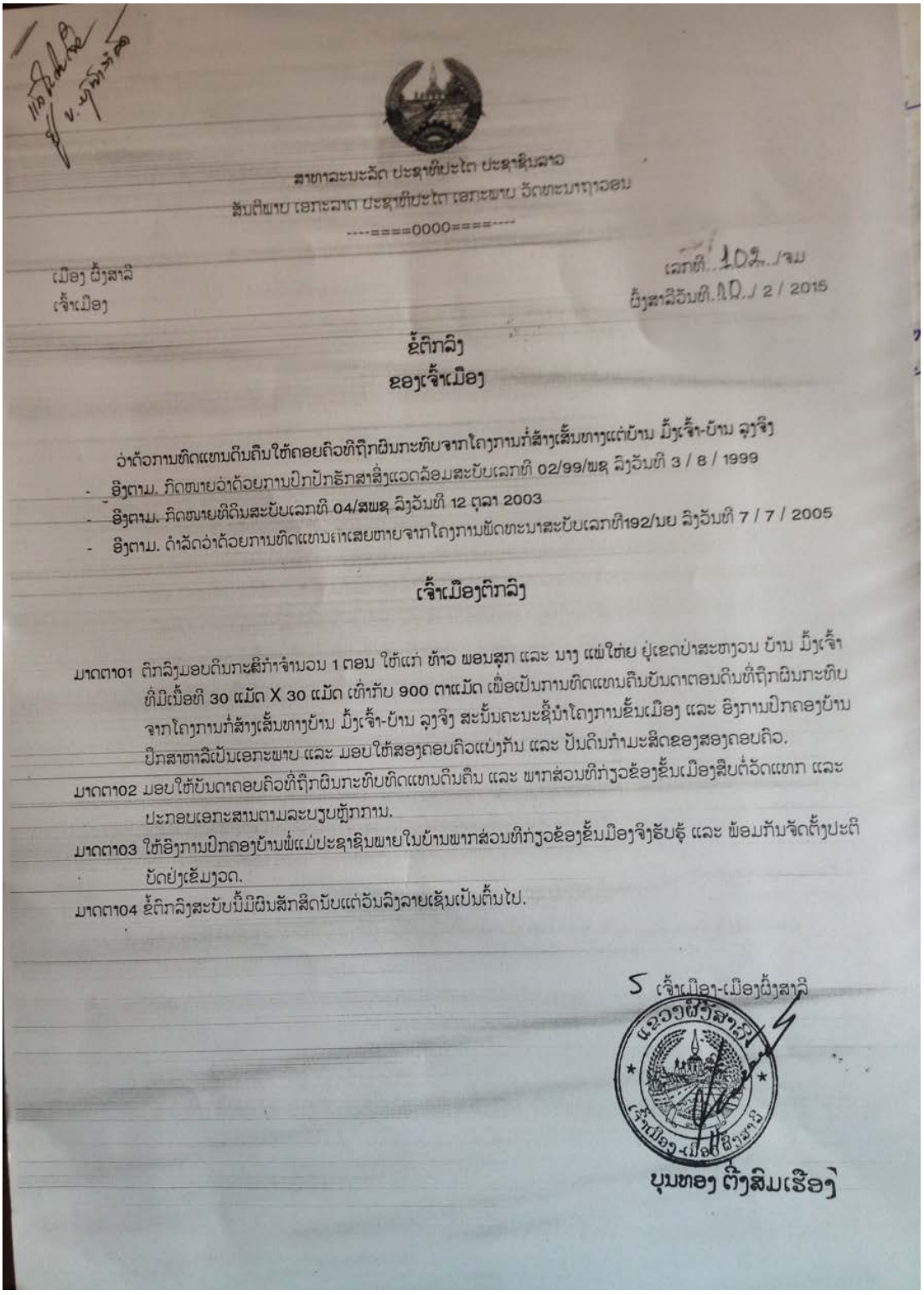
No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status As of 31 Mar.'15
	ProMIS and report status in the Q4 2014 progress report (para 40-41)			• The EA notes the Mission's view that more support is needed to strengthen the system targeting the capacity of staff to monitor sector results. The EA also recognizes the Mission's valuable proposal that it would be most efficient if the monitoring the ADB's Agriculture and Natural Resource (ANR) sector's result indicators are mainstreamed into the ProMIS. • However, due to the following reasons, the EA proposes that the scope of the activities to support MAF's DOP Monitoring and Evaluation Section in NRIDSP should be finished up by completed two times support on the workshop training above. <u>The main reasons for finishing the supporting activities above are</u>: • The concept to support MAF's DOP Monitoring and Evaluation Section was prepared during the PPTA for the NRIDSP. However, the circumstances have been changed recently. • The sector monitoring system should be urgently strengthen in the technical and operational areas. However, it would be difficult to implement effectively in the form of support by an implementation project, but should be implemented by an independent TA. • In order to accelerate the project achievements and to avoid confusion during the project implementation, the NRIDSP should more focus on a specific project target indicated in the PAM.	The official request letter on this issue will be submitted to ADB within this Quarter.

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status
					As of 31 Mar.'15
8	Revise draft MOU for O&M of Nam Dai subproject based on the mission's recommendations and resubmit (Para 43)	GIC, NPMO	28 Feb '15	Based on the ADB comments the MOU was revised for both English and Lao versions (as pilot for Nam Haad Irrigation, Nam Dai Irrigation and Nan Lan Irrigation) and sent to the relevant PAFOs on 17 December 2014 for signing. As of March, the MOU for Nam Haad Irrigation subproject was signed by PAFO Bokeo and DOPC, MAF. The signing for the other two MOUs for Nam Dai (LNT) and Nam Lan (PSL) are under process. A revised MOU of Nam Haad Right Bank is attached as a sample. **(App-14 (2))**	Ongoing
9	Explore through appropriate government channel if the additional financing allocation can be brought forward to 2016 and highlight the demand to expand and scale up project activities (para 42)	EA	Immediately	A letter from MAF to MPI requesting for increase of the additional financing ceiling to $40 million was issued on 05 January 2015. An explanation meeting on the additional financing ceiling to $40 million was held at MPI on 21 January 2015 participated by Dr. Somphanh, Messrs. Phaythoune and Shimazaki from NRI side.	Ongoing
10	Review weight of Output 3 and revise progress and reflect the revised progress in Q4 2014 progress report (para 44)	GIC, NPMO	20 Jan '15	Project Implementation Measurement System have been revised in Dec. 2014 with: • Added Monitoring and Evaluation work to Output 3. • Adjust the weight of activities by sharing 91.71% for the training works (under 3.2) and 8.25% for monitoring and evaluation works (MAF M&e System Enhancement) in DOPC, which include i) support O&M cost for Project Monitoring in DOPC, MAF (for Pro-MIS) and ii) support to improve the capacity of the staff of DOPC and 4 provinces (BK, LNT, ODX and PSL) by training on Pro-	Completed on Dec. 2014

No.	Aide Memoire of the ADB Review Mission, 14 to 28 November 2014	Responsibility for Initiating Action	Due Date	Agreed Actions	
				Items	Status
					As of 31 Mar.'15
				MIS.	
11	Prepare discussion process schedule for additional Financing (para 51)	ADB	15 Jan '15		Ongoing by ADB

I. Landslide to the tea plantation at Mongchao village

Agreement of District Governor dated 10 Feb.2015



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນາຖາວອນ
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ເມືອງ ຜິ້ງສາລີ
ເຈົ້າເມືອງ

ເລກທີ 102../ຈມ
ຜິ້ງສາລີ ວັນທີ 10../ 2 / 2015

ຂໍ້ຕົກລົງ
ຂອງເຈົ້າເມືອງ

ວ່າດ້ວຍການຫັດແທນດິນຄືນໃຫ້ຄອຍຄົວທີ່ຖືກຜົນກະທົບຈາກໂຄງການກໍ່ສ້າງເສັ້ນທາງແຕ່ບ້ານ ມົ້ງເຈົ້າ-ບ້ານ ລຸງຈີ

- ອີງຕາມ. ກົດໝາຍວ່າດ້ວຍການປົກປັກຮັກສາສິ່ງແວດລ້ອມສະບັບເລກທີ 02/99/ສພຊ ລົງວັນທີ 3 / 8 / 1999
- ອີງຕາມ. ກົດໝາຍທີ່ດິນສະບັບເລກທີ 04/ສພຊ ລົງວັນທີ 12 ຕຸລາ 2003
- ອີງຕາມ. ດຳລັດວ່າດ້ວຍການຫັດແທນຄ່າເສຍຫາຍຈາກໂຄງການພັດທະນາສະບັບເລກທີ192/ນຍ ລົງວັນທີ 7 / 7 / 2005

ເຈົ້າເມືອງຕົກລົງ

ມາດຕາ01 ຕົກລົງມອບດິນກະສິກຳຈຳນວນ 1 ຕອນ ໃຫ້ແກ່ ທ້າວ ພອນສຸກ ແລະ ນາງ ແພ່ໃຫ່ຍ ຢູ່ເຂດປ່າສະຫງວນ ບ້ານ ມົ້ງເຈົ້າ ທີ່ມີເນື້ອທີ 30 ແມັດ X 30 ແມັດ ເທົ່າກັບ 900 ຕາແມັດ ເພື່ອເປັນການຫັດແທນຄືນບັນດາຕອນດິນທີ່ຖືກຜົນກະທົບ ຈາກໂຄງການກໍ່ສ້າງເສັ້ນທາງບ້ານ ມົ້ງເຈົ້າ-ບ້ານ ລຸງຈີ ສະນັ້ນຄະນະຊີ້ນຳໂຄງການຂັ້ນເມືອງ ແລະ ອົງການປົກຄອງບ້ານ ປຶກສາຫາລືເປັນເອກະພາບ ແລະ ມອບໃຫ້ສອງຄອບຄົວແບ່ງກັນ ແລະ ປັນດິນກຳມະສິດຂອງສອງຄອບຄົວ.

ມາດຕາ02 ມອບໃຫ້ບັນດາຄອບຄົວທີ່ຖືກຜົນກະທົບຫັດແທນດິນຄືນ ແລະ ພາກສ່ວນທີ່ກ່ຽວຂ້ອງຂັ້ນເມືອງສືບຕໍ່ວັດແທກ ແລະ ປະກອບເອກະສານຕາມລະບຽບຫຼັກການ.

ມາດຕາ03 ໃຫ້ອົງການປົກຄອງບ້ານພໍ່ແມ່ປະຊາຊົນພາຍໃນບ້ານພາກສ່ວນທີ່ກ່ຽວຂ້ອງຂັ້ນເມືອງຈົ່ງຮັບຮູ້ ແລະ ພ້ອມກັນຈັດຕັ້ງປະຕິບັດຢ່າງເຂັ້ມງວດ.

ມາດຕາ04 ຂໍ້ຕົກລົງສະບັບນີ້ມີຜົນສັກສິດນັບແຕ່ວັນລົງລາຍເຊັນເປັນຕົ້ນໄປ.

ເຈົ້າເມືອງ-ເມືອງຜິ້ງສາລີ

ບຸນທອງ ຕົ້ງສົມເຮືອງ

(English Translation)

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Phongsaly District
District Governor

No….102/ DG
Phongsaly date 10 Feb. 2015

Agreement
of District Governor

Concerning the compensation (Land to Land) for the affected HHs under Mongchao – Komaene Road construction.

- Reference to the Environment law No. 02/99/NA issued date 3 August 1999
- Reference to Land Law No.04/NA, issued date 12 October 2003
- Reference to Prime Minister Degree for Land Acquisition and Resettlement No. 192/PM issued date 7/7/2005

District Governor Agreed.

1. Agreed to give one piece of Agriculture Land for Mr. Phonesouk and Ms. Phay Yai located at Mongchao Forest Conservation Area, with a total area of 30m x 30m = 900m^2 for compensation as Land to Land for the affected land by Mongchao – Komaene Road construction.
2. The affected HH and Office concerned parties at district and village to continue to measure this land and to prepare concerned document of Land according to the Land Law.
3. Village Authority and ordinary people of the village concerned and other offices concerned at district level are acknowledge and strictly implementation.
4. This agreement will enter into force from the date of signature.

Phongsaly District Governor (Vice Governor)

Mr. Bounthong Theunsomheaung.

II. Landslide to the housing land at Komaen (Loungjing) village

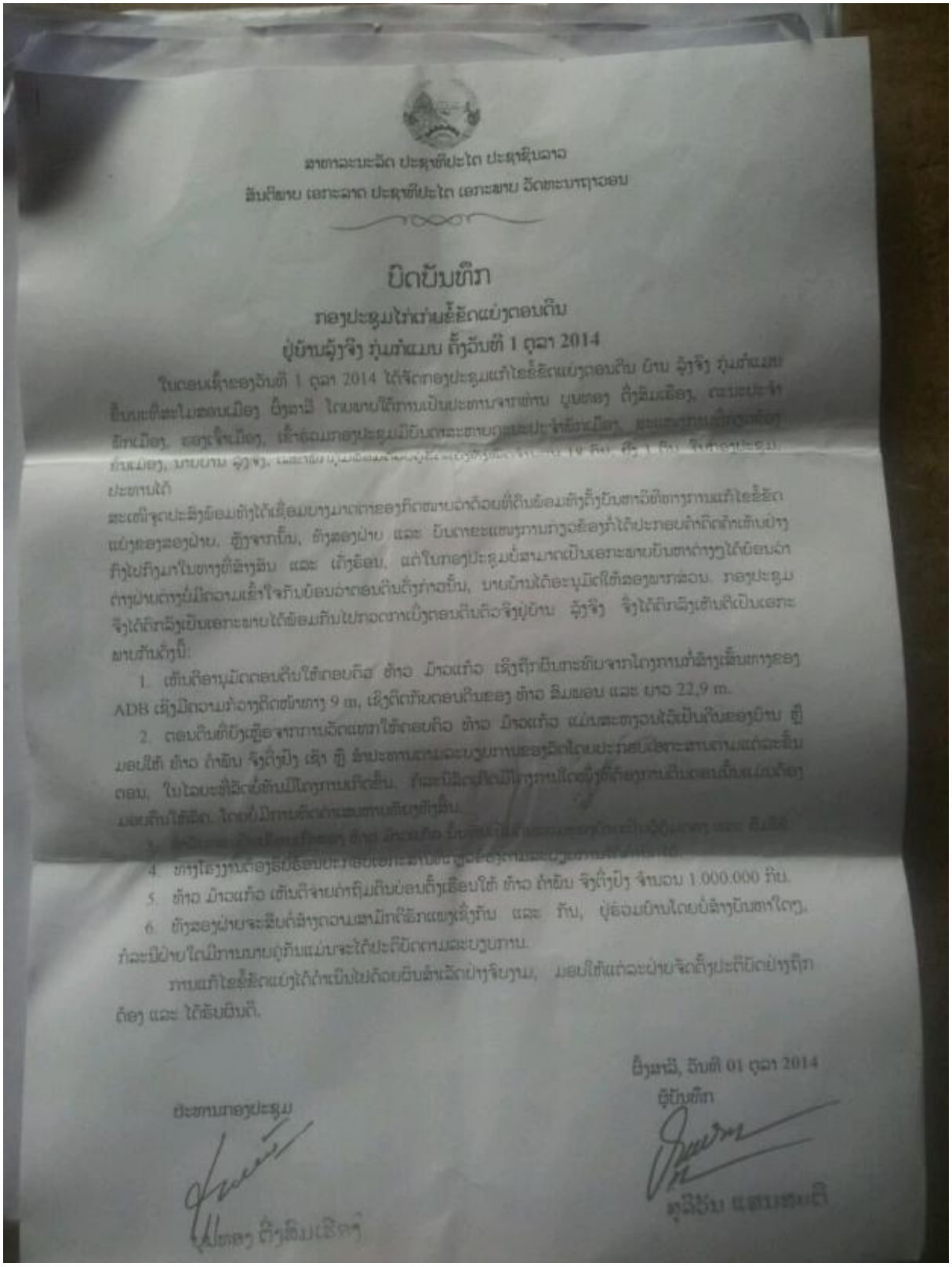
Safeguard Monitoring Report (Feb 2015) reported in Page 61 that:

Due to instability of the cut slope, the area of housing area of Mr. Maokeo (deputy village chief) was affected as part of the land was moved down. It is quite high risk for the structure and potentially the landslide would be extended. This would be not possible to continue to live in this sensitive area due safety reason in the long term. With this regard, the PPO, DCO and village authority has immediately responded to the concern by investigating the site and assess the condition. The AH was proposed and given the new resettlement area within the residential area nearby to place the house and the meeting minute was officially noted (see the details in the meeting minute in Annex 4).The team consulted with the AH with the participation of PPO and DCO representatives, it was confirmed by the AH that he is satisfied and happy with the remedial measures and solution undertaken by the project. However, the AH has raised concern to move to the new allocated land due to unclear land authorization and ownership as the new land is located close to the tea processing factory even though the government of Phongsaly district approved this land to Mr. Mao Keo. It would be more official if the land title/certificate was given to AH. The feedback meeting with the PPO manager was undertaken and it was confirmed that this issues will be finalize soon.

The Project will continuously follow up and monitor this issue.

The minutes of the meeting of consultation with the affected household at Konaen village carried out by PPO, DCO and Village authority is attached in the next page. (page 4)

The minutes of the meeting of consultation with the affected household at Konaen village carried out by PPO, DCO and Village authority



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ

ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນາຖາວອນ

ບົດບັນທຶກ

ກອງປະຊຸມໄກ່ເກ່ຍຂໍ້ຂັດແຍ່ງຕອບດິນ

ບ່ໍ່ບ້ານຜົ້ງຈິ ກຸ່ມທໍ່ແນບ ຄັ້ງວັນທີ 1 ຕຸລາ 2014

ໃນຕອນເຊົ້າຂອງວັນທີ 1 ຕຸລາ 2014 ໄດ້ຈັດກອງປະຊຸມແກ້ໄຂຂໍ້ຂັດແຍ່ງຕອນດິນ ບ້ານ ຜົ້ງຈິ ກຸ່ມທໍ່ແນບ ຂຶ້ນທີ່ສະໂມສອນເມືອງ ບໍ່ງສາລີ ໂດຍພາຍໃຕ້ການເປັນປະທານຈາກທ່ານ ບຸນທອງ ຕ່ັງສົມເສ່ັຽ, ຄະນະປະຈຳ ພັກເມືອງ, ເລ ຂາເມືອງ, ເຈົ້າຄອງເມືອງ ເຂົ້າຮ່ວມກອງປະຊຸມມີບັນດາສະພາບຜູ້ແທນປະຈຳພັກເມືອງ, ຄະນະກຳມະການຕ່ັງໜ້າ ບ້ານເມືອງ, ນາຍບ້ານ ຜູ້ເຖ່ົາ, ພ້ອມດ້ວຍ ບຸ[illegible] ປະຫານໄດ້

ສະເໜີຈຸດປະສົງພ້ອມທ້ັງໄດ້ເຊ່ືອມຍາງມາດຕາຂອງກົດໝາຍວ່າດ້ວຍທ່ີດິນພ້ອມທ້ັງຕ້ັງບັນຫາວ່ິທີທາງການແກ້ໄຂຂໍ້ຂັດ ແຍ່ງຂອງຂອງຝ່າຍ. ຫ້ັງຈາກນ້ັນ, ທ້ັງສອງຝ່າຍ ແລະ ບັນດາຄະແໜງການກ່ຽວຂ້ອງກ່ໍໄດ້ປະກອບຄຳຄິດຄຳເຫ ັນຢ່ າງ ກ້ວ້ າງຂວ້ າງໃນທາງທ່ີສ້ າງສ ັນ ແລະ ເຄ ່ ງຄ ັດ, ແຕ ່ ໃນກອງປ ະ ຊ ຸ ມ ບ ່ ສ າ ມ າ ດ ເ ປ ັ ນ ເ ອ ກ ະ ພ າ ບ ບ ັ ນ ຫ າ ດ ່ າ ງ ໆ ໄ ດ ້ ຍ ັ ນ ຍ ອ ມ ຈ ຶ ່ ງ ໄ ດ ້ ນ ັ ດ ໝ າ ຍ ເ ວ ລ າ ໃ ຫ ້ ທ ັ ງ ສ ອ ງ ຝ ່ າ ຍ ໄ ປ ປ ຶ ກ ສ າ ຫ າ ລ ື ເ ພ ີ ່ ມ ເ ຕ ີ ມ ແ ລ ້ ວ ມ າ ພ ົ ບ ປ ະ ກ ັ ນ ໃ ໝ ່ ໃ ນ ວ ັ ນ ທ ີ 1 ຕ ຸ ລ າ 2014 ນ ີ ້ ເ ວ ລ າ 9 ໂ ມ ງ ເ ຊ ົ ້ າ ຈ ຶ ່ ງ ຈ ະ ສ ະ ຫ ຼ ຸ ບ ເ ອ ກ ະ ພ າ ບ ໄ ດ ້ ພ ້ ອ ມ ກ ັ ນ ໄ ປ ລ ວ ງ ຫ ນ ້ າ ເ ບ ິ ່ ງ ຕ ອ ນ ດ ິ ນ ຕ ົ ວ ຈ ິ ງ ບ ່ ໍ ບ ້ ານ ຜ ົ ້ ງ ຈ ິ ຈ ຶ ່ ງ ໄ ດ ້ ຕ ົ ກ ລ ົ ງ ເ ຫ ັ ນ ດ ີ ເ ປ ັ ນ ເ ອ ກ ະ ພ າ ບ ດ ັ ່ ງ ນ ີ ້ :

1. ເຫ ັ ນ ດ ີ ອ ານ ຸ ມ ັ ດ ຕ ອ ນ ດ ິ ນ ໃ ຫ ້ ກ ອ ບ ຄ ົ ວ ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ ເ ຊ ິ ງ ຖ ື ກ ເ ປ ັ ນ ຫ ລ ັ ກ ໝ າ ຍ ເ ຂ ດ ທ ີ ່ ດ ິ ນ ຂ ອ ງ ADB ເ ຊ ິ ງ ມ ີ ຄ ວ າ ມ ກ ວ ້ າ ງ ຕ ິ ດ ໜ ້ າ ທ າ 9 m, ເ ຊ ິ ງ ຕ ິ ດ ກ ັ ບ ຕ ອ ນ ດ ິ ນ ຂ ອ ງ ທ ້ າ ວ ສ ິ ມ ພ ອ ນ ແ ລ ະ ຍ າ ວ 22,9 m.
2. ຕ ອ ນ ດ ິ ນ ທ ີ ່ ບ ໍ ່ ງ ເ ຫ ຼ ື ອ ຈ າ ກ ການ ຍ ຶ ດ ເ ພ ົ າ ໃ ຫ ້ ກ ອ ບ ຄ ົ ວ ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ ແ ມ ່ ນ ສ ະ ເ ໜ ີ ຍ ທ ົ ວ ນ ໃ ຫ ້ ເ ປ ັ ນ ເ ດ ີ ່ ນ ຂ ອ ງ ບ ໍ ່ ງ ສ ີ ມ ອ ບ ໃ ຫ ້ ທ ້ າ ວ ຄ ຳ ພ ັ ນ ຈ ັ ດ ຕ ັ ້ ງ ປ ່ ໍ ງ ເ ຊ ົ ່ າ ສ ີ ່ ປ ີ ລ ວ ມ ເ ປ ັ ນ ເ ງ ິ ນ ທ ັ ້ ງ ໝ ົ ດ 4.000.000 ກ ີ ບ (ສ ີ ່ ລ ້ ານ ກ ີ ບ) ໂ ດ ຍ ມ ີ ຄ ນ ະ ກ ຳ ມ ະ ການ ແ ລ ະ ບ ຸ ກ ຄ ະ ລ ະ ກ ອ ນ ເ ປ ັ ນ ຜ ູ ້ ຕ ິ ດ ຕ າ ມ ແ ຕ ່ ລ ະ ຂ ັ ້ ນ ຕ ອ ນ , ໃ ນ ໄ ລ ຍ ະ ທ ີ ່ ເ ລ ີ ່ ມ ຕ ົ ້ ນ ມ ີ ໂ ຄ ງ ການ ສ ້ ອ ມ ແ ປ ງ ຂ ຶ ້ ນ , ກ ໍ ລ ະ ນ ີ ມ ີ ຄ ວ າ ມ ຕ ້ ອ ງ ການ ຍ ົ ກ ຍ ້ າ ຍ ເ ອ ົ າ ດ ິ ນ ຕ ອ ນ ດ ັ ່ ງ ກ ່ າ ວ ມ ອ ບ ຄ ືນ ໃ ຫ ້ ລ ັ ດ ຖ ະ ບ ານ ເ ພ ື ່ ອ ນ ຳ ໄ ປ ສ ້ ອ ມ ແ ປ ງ ໂ ດ ຍ ບ ໍ ່ ມ ີ ການ ຮ ຽ ກ ຮ ້ ອ ງ ເ ອ ົ າ ຄ ືນ ຈ າ ກ ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ (ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ ບ ໍ ່ ມ ີ ສ ິ ດ ຮ ຽ ກ ຮ ້ ອ ງ ເ ອ ົ າ ຄ ືນ) ;
4. ທ ່ ໍ ງ ໂ ລ ່ ງ ຫ ນ ້ າ ດ ອ ຍ ຍ ິ ນ ຍ ອ ມ ຍ ົ ກ ຍ ້ າ ຍ ເ ອ ົ າ ດ ິ ນ ທ ີ ່ ຕ ິ ດ ກ ັ ນ (ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ) ;
5. ທ ້ າ ວ ມ ີ ຈ ອ ແ ກ ້ ວ ເ ຫ ັ ນ ດ ີ ຈ າ ຍ ຄ ່ ໍ າ ຖ ົ ມ ດ ິ ນ ບ ່ ອ ນ ຕ ັ ້ ງ ເ ຮ ືອ ນ ໃ ຫ ້ ທ ້ າ ວ ຄ ຳ ພ ັ ນ ຈ ັ ດ ຕ ັ ້ ງ ປ ່ ໍ ງ ຈ ຳ ນ ວ ນ 1.000.000 ກ ີ ບ ;
6. ທ ັ ້ ງ ສ ອ ງ ຝ ່ າ ຍ ຈ ະ ຍ ຶ ດ ຖ ື ຄ ຳ ສ ັ ດ ຈ ົ ນ ເ ສ ັ ້ ນ ໄ ມ ້ ຫ ັ ກ ແ ຜ ງ ຕ ່ ໍ ກ ັ ນ ແ ລ ະ ກ ັ ນ , ບ ຸ ່ ໍ ຈ ອ ມ ບ ັ ນ ໄ ດ ຍ ບ ໍ ່ ມ ີ ເ ງ ື ່ ອ ນ ໄ ຂ ໃ ດ ໆ , ກ ໍ ລ ະ ນ ີ ຝ ່ າ ຍ ໃ ດ ມ ີ ການ ລ ະ ເ ມ ີ ດ ກ ັ ນ ແ ມ ່ ນ ຈ ະ ໄ ດ ້ ປ ະ ຕ ິ ບ ັ ດ ຕ າ ມ ລ ະ ບ ຽ ບ ການ .

ການ ແ ກ ້ ໄ ຂ ຂ ໍ ້ ຂ ັ ດ ແ ຍ ່ ງ ໄ ດ ້ ດ ຳ ເ ນ ີ ນ ໄ ປ ດ ້ ວ ຍ ຜ ົ ນ ສ ຳ ເ ລ ັ ດ ຢ ່ າ ງ ຈ ົ ບ ງ ານ , ມ ອ ບ ໃ ຫ ້ ແ ຕ ່ ລ ະ ຝ ່ າ ຍ ຈ ັ ດ ຕ ັ ້ ງ ປ ະ ຕ ິ ບ ັ ດ ຢ ່ າ ງ ຖ ຶ ກ ຕ ້ ອ ງ ແ ລ ະ ໄ ດ ້ ລ ົ ບ ມ ື ເ ຫ ັ ນ ດ ີ .

ບ ໍ ່ ງ ສ າ ລ ີ , ວ ັ ນ ທ ີ 01 ຕ ຸ ລ າ 2014

ຜ ູ ້ ບ ັ ນ ທ ຶ ກ

ປ ະ ທ ານ ກ ອ ງ ປ ະ ຊ ຸ ມ

ບ ຸ ນ ທ ອ ງ ຕ ່ ັ ງ ສ ົ ມ ເ ສ ່ ັ ຽ

ສ ຸ ລ ິ ນ ທ ອ ນ ແ ສ ນ ທ ະ ນ ີ

II. Potential impact to secondary infrastructure by Nam Gnang Subproject

Safeguard Monitoring Report (Feb 2015) reported in Page 60 that:

Only Nam GnangSubprojectin LuangNamtha district has not been started for the construction work. It was reported that there would be impact to secondary infrastructure (1 pig hut, 1 toilet and 1 well), but no potential impact on land more than 5%. With this regards, the mitigation measures for the impact on these potential secondary structures will be solved through the proper grievance procedure of PPO, DCO and village authority in coordination with the AHs.

The Project confirmed actual situation on this matter with PPO Luangnamtha. The PPO reported that the mentioned points are actually not affected as attached report. (English translation in page 6)

Lao People's Democratic Republic
Peace, independence, democracy, unity and prosperity

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Luang Namtha Province
Department of Agriculture and Forestry
Provincial Project Office
Tel/Fax: 086 212245

No….102/ DG
Luang Namtha date 18 Mar.2015

Report

Attn: National Project Management Office of NRI

Subject: Report of Issue of Potential facilities affected under Nam Gnang Irrigation Construction.

- According to Construction contract of Nam Gnang Irrigation No. NRI-NCB-014, date 06/03/2014
- According to the field visit for monitoring date 16 March 2015

The PPO Luang Namtha Would like to report to NPMO concerning the potential affected of facilities along the main canal that: up to now the construction have been nearly constructed at the mentioned point and without any affected as showing in the picture below:

Picture of Pig house near Main Canal

Picture of Toilet near Main canal

Therefore, PPO report for your information.

Best regards

Provincial Project Office of NRI Luang Namtha

Mr. Sonexay Oudom

Appendix 14 (2)

Lao People's Democratic Republic
Peace, Independence, Democracy, Unity, Prosperity

Ministry of Agriculture and Forestry
Department of Planning and Cooperation

G0235-LAO (SF) Northern Rural Infrastructure Development Sector Project

Memorandum of Understanding

Between
Ministry of Agriculture and Forestry
Department of Planning and Cooperation

and

Department of Agriculture and Forestry
of Bokeo Province

on

Operation and Maintenance
of Nam Haad Right Bank Irrigation Subproject

December, 2014

Memorandum of Understanding
on
Nam Haad Right Bank Irrigation Subproject

1. This MOU focuses on Operation and Maintenance of Project Facilities of NRI Project based on Clause 21, Schedule 4 of the Grant Agreement of No.0235-LAO (SF) between ADB and the government of Lao PDR.

2. The MOU was prepared by the NRI Project referring to the Law on Irrigation, approved by Lao National Assembly dated 14/12/2012, Decree on the Establishment and Operation of the Water Users Associations (No.1150/AF in 2000), and other related Regulations, Decrees and Guidelines.

3. The MOU was prepared to be signed between Ministry of Agriculture and Forestry (MAF), represented by Director of Department of Planning and Cooperation (DOPC) and Provincial Department of Agriculture and Forestry (PAFO) of Bokeo province, represented by Director of PAFO, who has overall administrative responsibilities of Nam Haad Right Bank Irrigation Facilities.

I. Information of Nam Haad Right Bank Irrigation Facilities

4. Nam Haad Right Bank irrigation subproject is located in Pa Oudom district of Bokeo province, south-east of Bokeo provincial center, Houayxai city, at a distance of approximately 84 km by road.

5. **Key beneficiaries:** Nam Haad Right Irrigation scheme covers a total of 150 ha of command area. Three villages are served by the improved irrigation scheme with a potential beneficiary of 133 households from the 4 villages (Thinkeo, Phonexay, Pha Oudom and Phiengkham) of Pha Oudom district, Bokeo province.

6. **Construction works:** A national consulting company for the detailed design, bidding document and construction supervision works was procured by the Project under CQS, and a national contractor for the civil works was procured under NCB following the ADB guideline as summarized below.

	Works	Company	Contract Date	Contract Amount	Completion Date
1	D/D, B/D & CSV	Vientiane Techno Consultancy Co., Ltd.	26 Dec.2011	US$ 39,000.- (*)	Dec.2013
2	Civil Works	Xailong Road and Bridge Construction Co., Ltd.	01 Nov.2012	US$ 659,000.- (**)	Dec.2013

Note: (*): One-third of the total contract amount of US$117,000 is applied since the works include 3 subprojects of i) Nam Haad Right Bank Irrigation, ii) Nam Dai (V)&(VI) Irrigation and Mongchao-Kormaen Access Road. (**): Exchange rate of US$1.0 = 8,028 Kip at the bid opening date was applied for converting to US$.

7. **Main completed works**: Construction of irrigation facilities was completed in December 2013. The main completed works are:

Nam Haad concrete weir (L=23m, W=50m, H=2.5m) with intake control gates and sluice gates at both sides
- Main canal (concrete lining = 2,725m)
- Main canal (earth = 2,000m)
- Main canal related structures

8. **Establishment of Water User Group (WUG)**: The WUG/WUA of Nam Haad Right Bank was established on 24 May 2012 with a total 133 HHs members and a total of 07 committee members, the agreement of which was authorized by the Pha Oudom district governor (No.513/DG). The WUG is now being developed to be WUA (Water User Association) with registration of District Financial Office.

9. **Capacity Building of WUG for Operation and Maintenance (O&M)**: While a gravity-fed system is essentially simple to operate, there are issues of water management, gate management, water release, canal cleaning etc. that need to be programmed and agreed to by all beneficiaries. Practical training will ensure those responsible for these functions are fully competent. All users need to understand and agree to water allocations so that downstream users have access to agree water flows. The 1st training on O&M of irrigation facilities was conducted on 12-13 February 2014 by GIC/PPO/DCO with total participants of 98 WUG/WUA members, out of which 22 were females.

II. Responsibilities for O&M of Irrigation Facilities

10. As gravity fed system, operational costs will be minimal. With the changing climatic conditions, there is likely to be increased frequency of flash floods which are extreme events and repairs will likely require heavy machinery which can only be carried out by the district or province. The WUGs are only able to carry out routine maintenance and operation. Inputs from the district and province will be necessary for the periodic maintenance and emergency repairs required for the sustainable maintenance of the system.

11. **Responsibilities and Financial Resources of O&M Works:** The O&M works are divided into three (3) categories, i) routine maintenance and operation (minor repairs), ii) periodic maintenance (restoration/ major repairs), and iii) emergency repairs in case of natural disasters. The routine maintenance and operation works are responsible of WUG using the fund of Irrigation Service Fee (ISF), the periodic maintenance works are responsible of WUG and DAFO using the provincial budget with some parts of ISF, and the emergency repairs in case of natural disasters are responsible of DAFO/PAFO using the provincial and/or national budget, respectively, as summarized below.

O&M Works		Responsible Organization	Financial Resources
1	Routine maintenance and operation (minor repairs)	WUG/ WUA	ISF (Irrigation Service Fee)
2	Periodic maintenance (restoration/ major repairs)	WUG/WUA + DAFO	Provincial Budget/ and some parts of available ISF
3	Emergency repairs in case of natural disasters	DAFO + PAFO	National/ Provincial Budget

III. Estimated O&M Cost:

12. **Routine maintenance and operation costs** are covered by ISF. The WUG of Nam Haad Right Bank Irrigation scheme settled the ISF rates 50,000 Kip/ha for wet season rice, 70,000 Kip/ha for dry season rice, and 50,000 Kip/ha for dry season commodity crops. Based on a rough estimation of 150 ha of wet season rice and 90 ha (60%) of dry season rice, 13,800,000 Kip (about $1,720) of annual ISF will be collected.

13. **Periodic maintenance costs** such as restoration/major repairs and replacement of steel gates, etc. are estimated at 2% of the direct cost (equivalent to about $13,000) as an upper limit on the O&M. Due to limitation of ISF, the periodic maintenance costs should be burdened by the provincial government and PAFO with some parts of ISF.

14. **Emergency repairs costs** are difficult to project when and how serious the emergency repairs will be needed. According to the article of 35 of Law on Irrigation, in case natural disasters occurred which caused damages to irrigation projects, the Agriculture and Forestry Sector shall immediately coordinate with other relevant sectors and local authorities which include PAFO to repair it in order to make it ready for seasonal production.

15. Under the Grant Agreement of No.0235-LAO (SF) (Clause 21 of Schedule 4) between ADB and the government of Lao PDR, the provincial authority is required to sign an MOU with the Project to ensure sufficient funds for the periodic maintenance of the system.

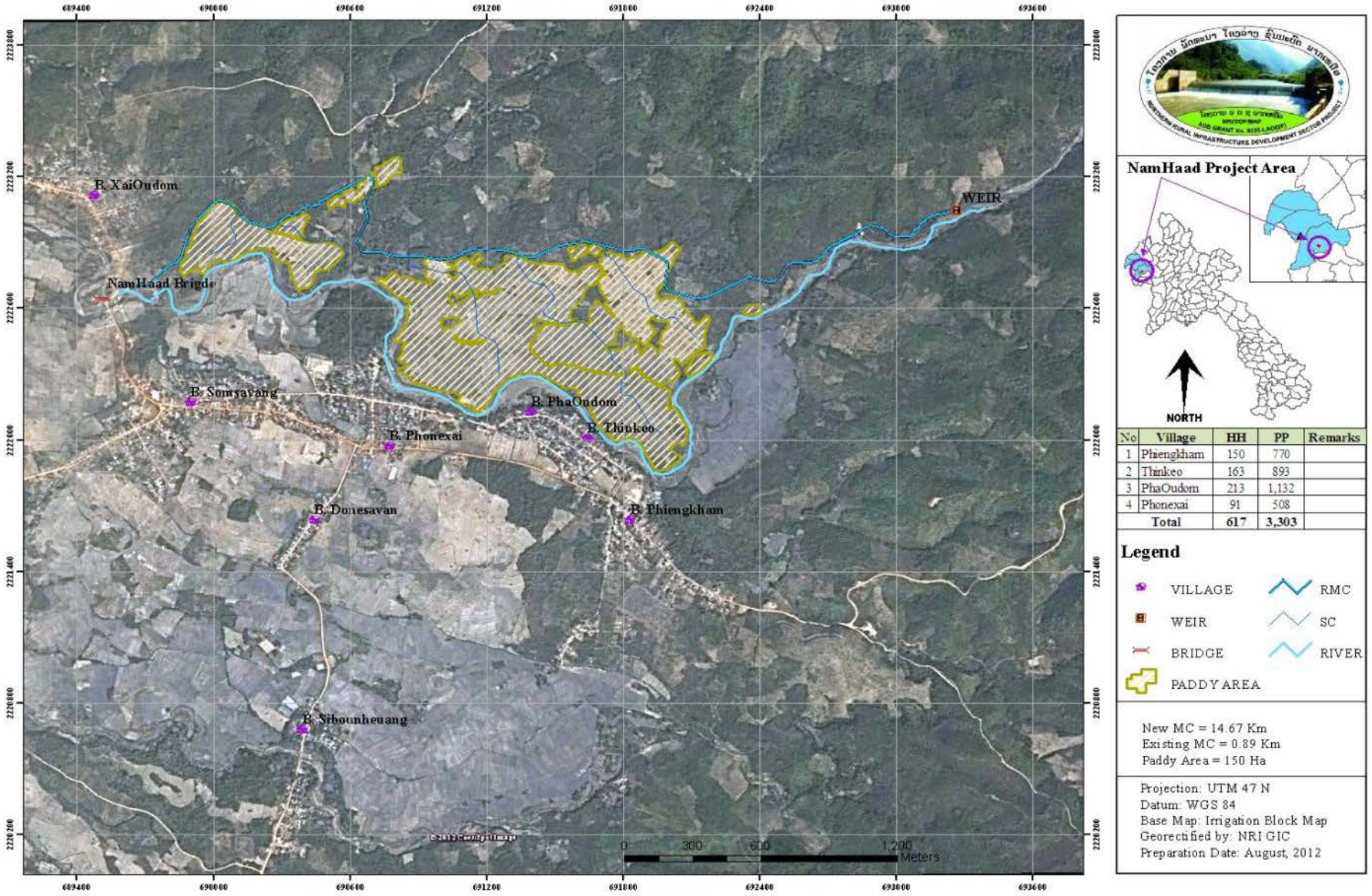
This MOU will be effective from the date of signature by both parties.

Signed on _____/ _____/ _____

For and on behalf of The Provincial Authority	For and on behalf of Ministry of Agriculture and Forestry
Sengphet Keosinghtong Director Department of Agriculture and Forestry, Bokeo Province	Somphanh Chanphengxay Deputy Director General Department of Planning and Cooperation Ministry of Agriculture and Forestry

Attachment 1 Subproject Location Map

YEAR 1 SUBPROJECT, NAMHAAD IRRIGATION DEVELOPMENT PROJECT, PHAOUDOM DISTRICT, BOKEO PROVINCE.



No	Village	HH	PP	Remarks
1	Phienglkham	150	770	
2	Thinkeo	163	893	
3	PhaOudom	213	1,132	
4	Phonexai	91	508	
	Total	**617**	**3,303**	

Legend

VILLAGE
WEIR
BRIDGE
PADDY AREA
RMC
SC
RIVER

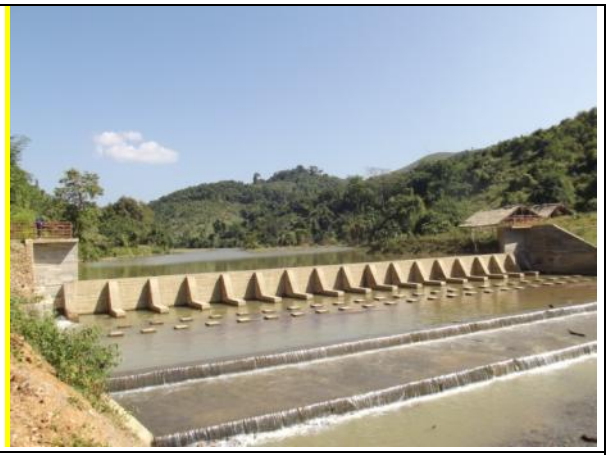
New MC = 14.67 Km
Existing MC = 0.89 Km
Paddy Area = 150 Ha

Projection: UTM 47 N
Datum: WGS 84
Base Map: Irrigation Block Map
Georectified by: NRI GIC
Preparation Date: August, 2012

Photos of Nam Haad Irrigation Subproject
(Pha Oudom district, Bokeo province)

Photos of NRI Subprojects

1. Nam Haad Right Bank Irrigation Subproject (Phaoudom district, Bokeo province)

	
Nam Haad wooden weir in wet season (before the Project)	Nam Haad concrete weir in dry season (completed in Dec.2013)
Nam Haad concrete weir in wet season (completed in Dec.2013)	Nam Haad weir (completed) with ADB review mission (Mr. David) & GIC TL (Shimazaki)
Nam Haad Right Bank Main Canal (Before Project in 2010)	Nam Haad Right Bank Main Canal (completed in Dec. 2013)

SRI Demonstration Plot, wet season 2012, Nam Haad Right Bank	Experience exchange of FPG members for using SRI technique in rice production in dry season 2013-14

1. Infrastructure Development

1.1 Nam Bak Irrigation subproject: Long district, Luang Namtha province

Nam Bak Irrigation Weir under construction (March 2015)	MC 1 Under construction (March 2015)
MC 2 Under construction (Feb. 2015)	MC 3 Under construction (Feb. 2015)

1.2 Nam Gna 6 – Houay Louang Irrigation Subproject: Sing district, LNT province

Lining canal under construction (Feb. 2015)	Lining canal under construction (Feb. 2015)

1.3 Nam Gnang Irrigation Subproject: Luang Namtha district, LNT province

Lining canal MC under construction (March 2015)	Lining canal MRC under construction (March 2015)
Installation of Control gate intake for MC-CR (March 2015)	Lining canal MC-CR under construction (March 2015)

1.4 Nam Ngene Irrigation Subproject: Bountai district, Phongsaly province

Nam Ngene Suspension bridge under construction (March 2015)	Nam Ngene Suspension bridge under construction (March 2015)

1.5 Komaene – Phongsaek Road: Phongsaly district, Phongsaly province

Completion of Komaene – Phongsae Road (February 2015)	Completion of Komaene – Phongsae Road (February 2015)

1.6 Nam Thae Irrigation Subproject: Gnot Ou district, Phongsaly province

Nam Thae Irrigation - RMC flume canal crosising Nam Ou (under construction) March 2015	Nam Thae Irrigation – RMC lining canal (under construction) March 2015

1.7 Nam Haad Left Bank Irrigation Subproject: PhaOudom district, Bokeo province

Nam Haad left Irrigation – Nam Kha weir (under rehabilitation) (March 2015)	Nam Haad left Irrigation – Nam Kha weir (under rehabilitation) (March 2015)
Nam Haad left Irrigation – Nam Kha RMC (concrete lining) (March 2015)	Nam Haad left Irrigation – Nam Kha RMC (concrete lining) (March 2015)

1.8 Houay Sat II Irrigation Subproject: Paktha district, Bokeo province

Houay Sat Irrigation - MC2 Under construction (March 2015)	Houay Sat Irrigation - Road construction (March 2015)

2. Community Development: (WUG and RMC Improvement)

Mongchao village (Mongchao-Kormen road subproject)	Kormen village (Mongchao-Kormen road subproject)
Na wai village (Nam Lan irrigation subproject)	Nong Ngai village (Nam Thae irrigation subproject)
WUG Improvement (Nam Lan Irrigation) (Feb. 2015)	WUG Improvement (Nam Ngene Irrigation) (Feb. 2015)
WUG Improvement (Nam Ou Irrigation) (Feb. 2015)	WUG Improvement (Nam Thae Irrigation) (Feb. 2015)