

Lao PDR

Mainstreaming Climate and Disaster Risk Management into Public Investment Decisions Project (P129182)

Implementation Support Mission

June 8-19, 2015

Key Project Information

PDO	To strengthen the institutional capacity of the Government of Lao PDR at national and sub-national levels to mainstream climate and disaster risk management into public infrastructure investments.				
Project Number	P1219182	Effectiveness Date	February 29, 2012	Closing Date	January 30, 2016
TF GFDRR Grant Amount	US\$ 2,718,000	TF Disbursement	US\$ 1,238,486 (46%)	Previous Mission Date	October 14-17, 2014
IP Rating	Satisfactory			DO Rating	Satisfactory

Introduction

1. The World Bank mission team conducted an implementation support mission of the Mainstreaming Climate and Disaster Risk Management into Public Investment Decisions Project (P129182) from June 8-19, 2015. Detailed mission announcement letter is provided Annex 1. This Aide Memoire summarizes the key findings, recommendations and agreements reached during the mission. It is subject to World Bank management confirmation and will be publicly disclosed.
2. The team held kick off and wrap-up meetings at the Department of Planning, Ministry of Planning and Investment (MPI), as well as follow up meetings with all the other implementing agencies in Vientiane. Field visits to the road pilot sites¹ located on the Road 1B in Phongsaly province and the irrigation pilot site located in the Kasi district, Vientiane province were also carried out from June 13-14, 2015 and June 17-18, 2015 respectively to inspect and discuss with relevant stakeholders the progress, achievements, challenges and action plans to be taken. The mission expresses its gratitude for the hospitality and cooperation provided by the concerned departments at MPI, MoF, MPWT, MAF and the Irrigation Division in the Kasi district, Vientiane province. Annex 2 provides the list of people met.

Key Findings

3. **Progress toward achieving the PDO.** The overall rating for the project implementation is considered Satisfactory and the main indicators are mostly on track.
4. **Project implementation progresses (IP).** The project restructuring to extend the closing date for 1 year from January 30, 2015 to January 30, 2016 was approved on December 24, 2014.

¹ These include Lot 1- improvement of the embankment and culvert at Km 44+030 to 44+070; Lot 2- slope stabilization at Km 43+990 using herringbone drain; Lot 3- slope stabilization at Km 64+430 to 64+530 and Lot 4- slope stabilization at Km 83+980 to 84+120.

The project has made good progress for the last 6 months after its extension. All the pilot contracts were signed in February and March 2015 and due to complete in July 2015. As of June 19, 2015, the project disbursed USD 1,238,486 or 46% of the total grant amount. Risk assessments, technical guidelines, and recommendations related to the task of mainstreaming DRM to the 8th Five year National Socio Economic Development Plan have been mostly completed. Several trainings have been provided.

Detailed Project Status

5. **Component 1: Risk Assessment.** The Risk Assessments have been completed for the road, irrigation, rural housing and urban planning sectors considering earthquakes, landslides, floods and storms risk. Outputs include: i) Landslide Inventory Framework for the Road 13th north in Phoukhoun district of Luang Prabang Province for a total of 23 Km (i.e. from Km 257 to 280); ii) National and Provincial Level Risk Assessments; and iii) Risk Assessment Guidelines. This information has been used as a screening tool for line ministries when designing and reviewing proposed public investment projects. In addition, a Multi Hazard Risk Information Web-Portal (GeoNode Web platform) has been developed to host the Lao geospatial hazard and risk data produced by the project. However, there is no DoP Website to host this web platform. It was agreed that the LaoDesignInfo web platform which is managed by Ministry of Telecommunication and Post (MoTP) may be more suitable to host the GeoNode Web Platform to ensure that the information can be shared widely with the public besides the implementing agencies. MPI will coordinate and agreed with MoNRE and MoTP on hosting the web platform by September 2015.

6. **Component 2: Mainstreaming Disaster and Climate Resilience into Key Sector Policies.** A number of final draft guidelines for mainstreaming DRM into the transport, irrigation and urban planning sectors have been completed. These include: i) Technical Specification, Infrastructure Design and Construction Guidelines for the transport, irrigation and housing Sectors; ii) Guidelines for Mainstreaming Disaster and Climate Risks into the draft 8th National Socio-Economic Plan (NSEDPP) from 2016-2020 and a public investment mechanism; and iii) Strategic Guidelines for Mainstreaming Disaster and Climate Risks into the rural housing, transport and irrigation sectors in Lao PDR. These technical guidelines have been applied in the field and lessons learned will be incorporated in the final reports with regard to resilient infrastructure and recommendations for reducing structural vulnerability in the housing sector. Translations of these guidelines into Lao language are ongoing and will be completed by July 17, 2015. Endorsements of the guidelines for irrigation sector will be done through the final consultation workshop scheduled for July 2015. The mission emphasized the importance of Government ownership and institutionalization of the project outputs to make them implementable, sustainable and relevant to the Lao context beyond project completion. More engagement with the line ministries during the remaining project implementation period is needed.

7. **Component 3: Institutional Strengthening and Capacity Building.** Since February 2014 to date, a total of 8 technical training events were conducted targeting technical staff from the district, provincial and central levels. In addition, a Consultation Workshop on Mainstreaming disaster and climate risks into the Course Curriculum of selected Engineering Departments of the National University of Laos (NUOL) and training institutes under MPWT, MAF, and MPI was held on

February 6, 2015. The consultant proposed to carry out 7 more training events by September 2015. A list of all the training and other outputs prepared by the consultant can be found in the Annex 3.

8. In order that the consultant's outputs delivered can be easily accessed, the mission team advised that the consultant's outputs in both English and Lao should be stored in a designated online folder. Training materials also need to be lodged with the line ministries and their training centers for incorporation into their own training programs. There are a number of projects financed by other development partners such as the KfW and JICA that have similar components, for example, training on the integration of the climate risks in the transport sector. It was recommended that the project coordinates closely with these development partners to ensure that these training initiatives are complimentary and not contradictory. The DoI requested for further assistance from the Bank to build their staff capacities in database development and GIS map preparation. In the past, the Government has put more emphasize on infrastructure development but little attention was paid on the maintenance thus having a comprehensive database system which would serve the purpose of planning and prioritization for the irrigation asset management such as the established Road Management Systems in the transport sector would be very helpful. It was agreed that (i) Asian Disaster Preparedness Center (ADPC) will prepare work plan for the remaining period of the project implementation and submit to MPI and Bank for information, (ii) the training plan would include training on disaster accreditation process for MPI staff at central and local levels, (iii) MPI, the consulting firm and departments concerned will prepare and submit the training plan to the Bank for review by June 30, 2015, and (iv) a workshop will be carried out to endorse the guidelines for the irrigation sector by July 2015.

9. **Component 4: Climate Resilient Pilots.** Progress for the road pilot demonstration component has experienced some delay and is behind schedules. The Lot 1 and 2 contracts of the road pilots were signed on March 5, 2015 and the Lot 3 and 4 contracts were signed on February 2, 2015. The Department of Roads issued a Letter of Commencement Date to both contractors on March 25, 2015. According to the Article 8 of the signed Contract, all contractors are due to complete their activities within 3 months from the date of signing. However, according to the Letter of Commencement Date, the contract period is 3 months from the Commencement Date; and therefore the contracts are due to be completed by June 25, 2015.

10. Sourcing the rock gabion supplier overseas and the onset of the rainy season were identified by the local contractor as the major causes of delay. During the mission, it was found that there was a small modification of the technical design of the upper slope drainage HDPE pipe for Lot 1 from 30 cm in diameter to 16 cm in diameter due to the unavailability of this material locally and in China. It was confirmed by the consultant, as a design engineer, to be acceptable. It was also found that the size of the rock gabion was too small and needed to be larger. The contractors agreed to address this issue. Both contractors requested the extension of their contracts to August 30, 2015 and will submit their revised detailed work plan for the remaining period. Details of the site visit are included as Annex 4. It was agreed that the MPI will submit a request a time extension for the contracts subject to prior review to the Bank for review and no objection. With regard to time extension of the contracts subject to post review, the MPI can agree to time extension without Bank no objection. The mission recommended that the MPI and the DoR closely monitor the progress of contracts to avoid further delay.

11. *Irrigation Pilots.* The Nam Khat 4 irrigation pilot demonstration is located about 2 km from the main road 13th north in Phon Ngarm and Nasou villages, Kasi district, Vientiane Province. A contract was signed on February 16, 2015 and was due to be completed within 180 days after the date of signing or August 16, 2015. The construction commenced in March 2015 and faced major technical difficulties for the first 2 weeks when there were a number of unforeseen large limestone outcrops exposed at the proposed headwork area that could not be moved by an excavator. After conducting additional drilling tests at the headwork site, it was decided to re-locate the headwork site about 40 m downstream from the original site. This resulted in an increase in quantity of concrete for the foundation of the head wall. The project has used concrete items in the bill of quantity designed for the last section of main canal for the additional quantity for the foundation of the headwork. During the site visit, it was estimated that the overall physical work completion reached 74% of the original contract.

12. Additional fund of USD 101,713 was requested by the Government on May 15, 2015 to finance a concrete canal for the section that the concrete item has been used for the foundation of headwork and 7 culverts and 300 m of soil canals to reach 0.4 ha of the agricultural land. The World Bank gave no objection to this request on June 11, 2015. The design of the irrigation structures has incorporated the results of the hazard risk assessment and improve the technical standard specification by the project to ensure climate and disaster risk resilience. The DoI also suggested that a training of the local Farmer Groups on the management and maintenance of the irrigation system after completion was needed to ensure long term sustainability. During the field visit, the mission received an additional request to finance a 220 m concrete canal which the Bank agreed in principle. Detailed budget proposals for both additional activities will be submitted to the MPI for consideration and submission to the Bank for no objection by June 30. The contractor would add more labour and equipment and was confident in being able to complete both existing and additional work before the contract end date in mid-August.

13. **Project Management.** The main consultant's ended in March 15, 2015. The Bank gave no objection to a request for no cost extension of the contract to January 30, 2016. A new Administrative and Financial Management Officer has been on board. It was suggested that the MPI begins the preparation of an Implementation Completion Report in September 2015. In this regard, a final project workshop is planned to be held in October to invite participants from relevant stakeholders in Lao PDR and a similar project from Vietnam. All the individual consultant's contracts to supervise the road and irrigation pilot activities will be extended to the end of August, 2015 accordingly. Closer coordination between the project site supervisor, DoR, the consulting firm and MPI needs to be further strengthened.

14. **Financial Management.** External auditors for the project has been appointed but with delays. The audit report was submitted on time and was acceptable. Even though the audit report contains a statement on restriction on use by third parties, this does not prevent the project nor the World Bank to disclose the audit report. Therefore, we recommend the project to disclose the audit report and audited financial statement on the ministry's website as soon as possible. It was recommended that the project revise a Terms of Reference to include the requirement to disclose the audit report and a period of the final audit. As the final audit period will be only 4 months, it was recommended the project considered requesting for a long period audit, i.e. 16 months from October 1, 2014 to January 31, 2016. The request must be submitted to the World Bank for no objection.

Also, there are about 7 months left for the project implementation. It is highly recommended that the project prepares an expenditure plan or forecast for the next 7 months and compares with the budget available for each expenditure category. This forecast is to be completed as soon as possible, at the latest by July 31, 2015.

15. **Procurement.** The mission reviewed the progress of procurement under the DRM and the capacity of implementing the procurement activities and found that the overall performance has been improved from ‘Moderately Satisfactory’ to ‘Satisfactory’. The reason for rating improvement is all remaining works and supervision consultant for pilot subprojects were procured to have all procurement activities under the project done. The mission also conducted an ex-post review of some contracts awarded since June 11, 2013 to April 23, 2015; and the post review findings were provided through a separate follow-up letter to the agency on April 28, 2015. As mentioned above, all packages were procured; as the revised procurement plan is not required during this mission.

16. **Environmental and Social Aspects.** The Project was categorized B, in which two safeguard policies were triggered. These are the OP/BP 4.01 (Environmental Assessment) and OP/BP 4.12 (the Resettlement Policy). The DoI has prepared Resettlement Action Plan (RAP) and Environmental Management Plan (EMP) for mitigating the impacts resulted from construction activities. The Bank mission was informed that consultations and records of minutes of meeting and voluntary donation of impacts of Affected Persons (APs) were carried out before the construction activities and these documents are attached to the site specific EMP. These mitigation measures must be well communicated to the contractors and local communities. Also, the progress of safeguard implementation (both for social and environmental compliance) shall be included in the Quarterly progress Report, and share with the Bank.

17. **Key Way Forward Issues:**

During Mission discussions the following general issues were identified as being key to a successful completion of the project:

- a. Closer cooperation between the main consultant and the responsible ministries in terms of ensuring the long term uptake, sustainability and application of the lessons learnt from the project in terms of DCRM planning and mainstreaming.
- b. Close attention to be paid by the main consultant to the timely and quality-compliant completion of the DCRM demonstration site on Road 1b so that the lessons learnt can be incorporated into relevant final documentation.
- c. The main consultant should ensure that all training materials are collated, submitted and lodged with the MPI or whatever ministry or department is identified as to be the long-term “owner” in terms of their future use.
- d. An active and sustainable web platform must be identified as the home for the relevant GIS, mapping and database outputs from the project.

- e. A detailed Completion Programme to be drawn up in such a format that progress toward completion of outstanding project elements can be easily monitored on a regular basis.

Key Issues and Agreed Actions

Actions	Responsibility	Date	Status
1. Revised training plans for the remaining 6 months will be prepared by the line ministries and submission to the MPI by end of June for submitting to the Bank for information.	Line ministries, MPI	June 30, 2015	In progress
2. The line ministries will also prepare a needed budget for printing project outputs for submission to the MPI for consideration.	Line ministries, MPI	July 5, 2015	In progress
3. The DoI will submit a request for additional 220 m soil canal and training of the farmers' groups as well as local government on the irrigation system maintenance and management.	DoI	June 30, 2015	In progress
4. The MPI and DoR will submit a request a time extension of pilot road contract to the Bank for review	DoR, MPI	June 30, 2015	In progress
5. The main consultant will submit a revised work plan and a training plan for the remaining project period to the MPI for consideration.	Consultant	July 15, 2015	In progress

Annex 1: Mission Announcement Letter



SALLY BURNINGHAM
Country Manager
Vientiane, Lao PDR

May 25, 2015

H.E. Mr. Somdy Douangdy
Minister
Ministry of Planning and Investment
Vientiane, Lao PDR

Excellency:

Lao PDR - Building Resilience to Natural Hazards (P144628) Project Mid-Term Review and Mainstreaming Disaster and Climate Risks Management into Investment Decisions Project (P129182) Implementation Support Mission, 8-19 June, 2015


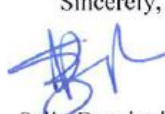
We are pleased to confirm that the World Bank is planning a mission from 8-19 June, 2015 to provide an implementation support to Mainstreaming Disaster and Climate Risks Management into Investment Decisions (MDCRM) Project and to conduct a mid-term review for Building Resilience to Natural Hazards (BRNH) project. The mission will be led by Mr. Sombath Southivong, Senior Infrastructure Specialist and Acting Task Team Leader. A term of reference for the mission participants and a tentative mission schedule are enclosed for your information.

The main objectives of the missions are to:

- Review progresses towards meeting the Project Development Objectives;
- Review the implementation of each project's activities including key achievements to date, challenges, overall result framework, procurement, financial management, and safeguards;
- Conduct field visits to supervise all pilot activities under the MDCRM Project which are due to complete in June 2015.

Thank you very much for your strong leadership and our continued partnership.

Sincerely,



Sally Burningham
Country Manager, Lao PDR
East Asia and Pacific Region

Attachments:

Annex 1: Terms of Reference for Mission Team Members

Annex 2: Draft Mission Schedule

H.E. Mr. Somdy Douangdy

- 2 -

May 25, 2015

CC:

- H.E Dr. Khamlien Pholsena, Vice Minister, Ministry of Planning and Investment (MPI)
- Mme. Sisomboun Ounavong, Director General, Department of International and Cooperation, MPI
- Mr. Phetsay Phiathep, Director General, Department of Planning, MPI
- Mme. Phaymany Heuangkhamsey, Acting Director General, External Finance Department, Ministry of Finance
- Mr. Oulay Phadouangdeth, Director General, Department of Planning, Ministry Public Work and Transport (MPWT)
- Mr. Viengsavath Siphandone, Director General, Department of Transport, MPWT
- Mr. Phouthasene , Deputy Director General of the Department of Urban Planning, MPTW
- Mr. Maykhong Khonphommavong, Director General, Department of Irrigation, Ministry of Agriculture and Forestry
- Mr. Sithan Southichack, DG of the Department of Meteorology and Hydrology, Ministry of Natural Resources and Environment
- Mr. Bounthom Lomany, Director General, Department of International Cooperation, Ministry of Finance
- Mr. Thoum Khamphanit, Director General, Department of State Reserve Department, Ministry of Finance
- Mr. Kaysone Thanthathep, Director General, Department of Disaster Management and Climate Change, MoNRE
- Mr. Viroth Sundara, Director General, Department of Economic Affairs, Ministry of Foreign Affairs
- Mr. Nuandeng Latsavong, Deputy Director General, Department of Irrigation, Ministry of Agriculture and Forestry
- Mr. Ounheaune Chittaphong, Deputy Director General, Department of Planning, MPI
- Mr. Rional Silaban, Executive Director for Lao PDR, Board of Executive Director, the World Bank

Attachment 1: Terms of Reference

Building Resilience to Natural Hazards (BRNH, P144628) Project Mid-Term Review
and
Mainstreaming Disaster and Climate Risks Management into Investment Decisions Project
(MDCRM, P129182) Implementation Support Mission

8-19 June, 2015

Terms of Reference (ToR)

1. INTRODUCTION

The World Bank is undertaking a Mid-Term Review for a Building Resilience to Natural Hazards Project (BRNH, P144268) and an Implementation Support Mission for the Mainstreaming Disaster and Climate Risk Management into Investment Decisions Project (MDCRM, P129182) during 8-19 June, 2015. This joint mission will be led by Mr. Sombath Southivong (Sr. Infrastructure Specialist and Acting Task Team Leader) and consisted of Ms. Khamlar Phonsavat (Disaster Risk Management Consultant), Samantha Jane Cook (Disaster Risk Financing and Insurance Specialist), Dr. Jasper Cook (Engineering Consultant), Dr. Makathy Tep (Environmental Safeguards Consultant), Mr. Khamphet Chanvongnaraj (Procurement Specialist), Ms. Siriphone Vanitsaveth (Financial Management Specialist), Ms. Vatthana Singharaj (Program Assistant), and Ms. Zuzana Stanton-Geddes (Operations Analyst) who will support the team remotely.

Both projects have been implemented by the Department of Planning under the Ministry of Planning and Investment (MPI) in close coordination with the following ministries:

- Department of Urban Planning and Department of Roads under the Ministry of Public Work and Transport (MPWT);
- Department of Irrigation under the Ministry of Agriculture and Forestry (MAF);
- Department of Meteorology and Hydrology under the Ministry of Environment and Natural Resources (MoNRE); and
- Department of State Reserve and Department of International Cooperation under the Ministry of Finance (MoF).

2. PROJECT OVERVIEW

Key Projects' information and milestones are described below:

Building Resilience to Natural Hazards Project

PDO	To improve the capacity of the Government of Lao PDR to prepare for and respond to natural disasters by strengthening the legal framework for hydro-meteorological services, enhancing the efficiency of recovery planning, and developing options to reduce the fiscal exposure to natural hazards.				
Project Number	P144268	Effectiveness Date	March 25, 2014	Closing Date	June 30, 2016
TF GFDRR Track II Grant Amount	US\$ 640,000	TF Disbursement	US\$ 59,952.53 (9.37%)	Previous Mission Date	September 29-30, 2014
IP Rating	MS			DO Rating	S

Mainstreaming Disaster and Climate Risk Management into Investment Decisions Project

PDO	To strengthen the institutional capacity of the Government of Lao PDR at national and sub-national levels to mainstream climate and disaster risk management into public infrastructure investments.				
Project Number	P1219182	Effectiveness Date	February 29, 2012	Closing Date	January 30, 2016
TF GFDRR Grant Amount	US\$ 2,718,000	TF Disbursement	US\$ 1,290,806.8 (37.89%)	Previous Mission Date	October 14-17, 2014
IP Rating	MS			DO Rating	MS

3. OBJECTIVES

The primary objectives of the mission are to:

- Review progresses towards meeting the Project Development Objectives;
- Review the implementation of each project’s activities including key achievements to date, challenges, overall result framework, procurement, financial management, and safeguards;
- Conduct field visits to supervise all pilot activities under the MDCRM Project which are due to complete in June 2015.

4. TEAM MEMBERS’ ROLES AND RESPONSIBILITIES

Sombath Southivong: will lead the dialogue with Government counterparts and provide strategic guidance to the team;

Khamlar Phonsavat: will support the team in discussing with the Government on BRNH Project’s Component 1- Development of a Decree on Hydrology and Meteorology by the Department of Hydrology and Meteorology, MoNRE and Component 2- Value for Money Strategy at MPI. She will draft the Aide Memoire with inputs provided by other team members;

Samantha Jane Cook: will be responsible for reviewing the progress and update the team on activities under the BRNH Project’s Component 3- Disaster Risk Financing and Insurance including activities being carried out by the Department of State Reserve, MoF;

Dr. Jasper Cook: will provide expert review and recommendations on the implementations of irrigation and road pilot activities under the MDCRM Project;

Dr. Makathy Teb: will review environmental and social safeguards for both projects including the pilot activities under the MDCRM Project. He will provide input to the Aide Memoire;

Khamphet Chanvongnaraz: will support the team by providing procurement review and assessments of the BRNH project’s transactions to date as well as providing his input to the Aid Memoire;

Siriphone Vanitsaveth: will carry out financial management review for BRNH project and provide input to the Aide Memoire;

Vatthana Singharaj: will provide overall coordination including contacting Government counterparts to confirm meetings and updating mission schedule;

Zuzana Stanton-Geddes: will assist the team remotely by reviewing MDCRM Project’s consulting firm outputs to date for gaps and recommendations for finalizations. She will submit inputs to the Aide Memoires as well as for the respective project ISRs.

5. DELIVERABLES

At the end of the mission, an Aide Memoire will be prepared to highlight key issues discussed and agreed action plan for both projects. Both projects’ ISRs will also be updated accordingly.

6. SCHEDULE

There will be 2 field trips to Oudomxay and Phongsaly Provinces to supervise the ongoing road pilot activities and; Kasi district, Vientiane Province, to supervise an irrigation pilot sub-project a under the Mainstreaming Disaster and Climate Risk Management into Investment Decisions Project. A tentative mission schedule is enclosed.

June 8 to 19, 2015

Date & Time	Description of Activities	Objective/Participants	Venue
Monday, June 8			
09.00-11.30 am Confirmed	Financial Management Review of the BRNH & MCDI project transactions	(MPI and Siriphone)	MPI Meeting Room
	Procurement review of the BRNH & MCDI project transactions	(MPI and Khamphet)	MPI Meeting Room
Friday, June 12			
12.30 am -1.30 pm	Team depart to Luang namtha Province by air		
1.30 -5.00 pm	Take a road trip from Luang Namtha Province to Oudomxay province		
	Stay overnight in Oudomxay province		
Saturday, June 13			
7.30-5.00 pm	Leave to inspect all road pilot demonstration sites located on the road 1B	(WB, MPI, MPWT, ADPC and contractor)	
1.00-3.00 pm	Wrap-up meeting to discuss progresses to date and challenges including workplan for the remaining period		Contractor’s camp
3.00-5.00 pm	Travel back to Oudomxay province-fly back to Vientiane		
Sunday, June 14			
12.30 pm	Travel back to Vientiane from Oudomxay by air		
Monday, June 15			

9.00-10.00 Confirmed	Internal Team meeting	Discuss an objective of the mission and outstanding (all team members)	WB VTE2
10.30-12.00 pm Confirmed	Kick off meeting with Government counterparts for BRNH Project (MPI, DMH at MoNRE and MoF)	Report on the project ongoing activities, key achievements to date, issues that need attention (all team members)	MPI Meeting Room -3 rd floor
14.00 -15.00 Confirmed	Meeting DRM staff + DOR		WB office
15.00-16.00 Confirmed	Meeting with BRNH +State reserve Department, MOF	SOP	WB office
16.000 -17.00 Confirmed	Meeting with Urban Planning & Housing	Discuss findings from the field visit and key actions for the remaining period (DoR, MPI, WB, ADPC)	WB office
Tuesday, June 16			
9.30 -10.30 Confirmed	Meeting with DMH on the status of BRNH Project's <i>Component 1: Developing Legal Framework for Hydro-meteorological services</i>	Discuss progresses towards the PDO, challenges (SB, KP, and MPI)	DMH Meeting Room – Wattay village
14.00 – 15.00 Confirmed	Meeting with Irrigation Department	(SB, KP, MPI and ADPC)	DOI
Wednesday, June 17			
<i>Travelling to & working in Vientiane province</i>			
2.00-5.00 pm Confirmed	Visiting the irrigation pilot project in Kasi district, Vientiane Province financed under the MCDI project	To observe the progresses made to date and evaluate the final construction phase	
Thursday, June 18			
<i>Working in Vientiane province</i>			
8.00-2.00 pm Confirmed	Debrief with a District and Provincial Agriculture and Forestry Offices in Kasi district, Vientiane Province then travel to the irrigation pilot site	To discuss the progress, challenges and actions for completing the remaining activities plus additional activities including training villagers on management	Kasi district agriculture and forestry office (DAFO)
2.00-5.00 pm	Leave from Kasi district to Vientiane		
Friday, June 19			
9.00 Confirmed	Meeting with DoP, MPI on the status of BRNH Project's <i>Component 2: Value for Money Strategy</i>	Discuss their workplan, progresses, challenges (Sombath, Khamlar, MPI)	MPI Meeting Room
1.30-3.00 am Confirmed	Wrap-up for both projects	Discuss key findings, recommendations, and next steps (all team members)	

Annex 2: List of People Met**Annex 3: List of Outputs prepared by ADPC (the main consultant)****Task 2**

1. Landslide inventory for critical National and Provincial roads in Lao PDR. + 3 Annexes
2. National and Provincial Risk Assessment 2 Volumes +Annexes
3. Procedures and Guidelines for Risk Assessment of Irrigation Sector
4. Procedures and Guidelines for Risk Assessment of Rural Housing Sector
5. Procedures and Guidelines for Risk Assessment of Transport Sector
6. Geographical Information System (GIS) Needs Assessment and Recommendations for the Government of Lao PDR
7. Risk Profile of Bolikhan and Beng Districts of Lao PDR.

Task 3

1. Technical Guideline: Resilient Rural Housing Construction in Lao PDR + Annex
2. Handbook: Rural Housing Design and Construction in Lao PDR
3. Technical Guideline: Resilient Irrigation Infrastructure in Lao PDR + Annex
4. Technical Guideline: Irrigation Standards and Specifications in Lao PDR + Annex
5. Guideline: Mainstreaming Disaster and Climate Risks in the National Socio-Economic Development Plan (NSED) of Lao PDR 2016-2020
6. Guideline: Mainstreaming Disaster and Climate Risk Management into the Public Investment Project Process in Lao PDR
7. Guideline: Disaster and Climate Risks Accreditation for Monitoring and Evaluation Process in Lao PDR
8. Recommendations on Mainstreaming Disaster and Climate Risk Management into the Draft 8th National Socio-Economic Development Plan (NSED) of Lao PDR, 2016-2020
9. Technical Guideline: Resilient Road Infrastructure in Lao PDR
10. Strategic Guideline; Mainstreaming Disaster and Climate Risks into the Rural Housing Sector in Lao PDR
11. Strategic Guideline; Mainstreaming Disaster and Climate Risks into the Irrigation Sector in Lao PDR
12. Strategic Guideline; Mainstreaming Disaster and Climate Risks into the Road Sector in Lao PDR.

Task 4:

1. Training and capacity building needs.

Apart from these, ADPC are also preparing 2 reports on: i) Lessons Learn From Good Practices Resilient Infrastructure and its Relevance to Lao PDR and; ii) Recommendations for Reducing Structural Vulnerability in Housing Sector in Lao PDR

Annex 4: Site Visit Note

MAINSTREAMING CLIMATE AND DISASTER RISK MANAGEMENT INTO PUBLIC INVESTMENT DECISIONS PROJECT (P129182) IMPLEMENTATION SUPPORT MISSION

RECORD OF FIELD MISSION

Date of visit: 11 – 15th June 2015 Date of this record: 19th June 2015
Location: National Road 1B, Phongsaly province.
Prepared by: Pham Gia Tuan (Road Engineer Consultant).
Reviewed by: Dr. Jasper Cook (Road Engineer Consultant).

1 PURPOSE

The purpose of this mission are assessment of the implementation progress and construction quality at 4 pilot DCRM construction sites and discuss with stakeholders of the outstanding issues on the progress and quality for overcoming measures.

2 PARTICIPANTS

The mission was led by the World Bank Lao PDR, Department of Planning (DOP) under the Ministry of Planning and Investment (MPI) and Department of Road (DOR) under the Ministry of Public Work and Transport (MPWT), Asian Disaster Preparedness Centre (ADPC), the contractors and the Project supervision consultant on site.

Below are list of participants:

No.	Name	Position	Organization
1	Mr. Sombath Southivong	Senior Infrastructure specialist	World Bank
2	Ms. Kamlar Phonsavat	DRM specialist	World Bank
3	Mr. Pham Gia Tuan	Consultant	World Bank
4	Mr. Viengkhome Bouaphachanh	Project Manager	MPI/DOP
5	Mr. Latsamy Aliyavongsing	Project Manager	DOR/MPWT
6	Mr. Thanongdeth	Deputy Team Leader	ADPC
7	Mr. Anousone Hanisouk	Technical staff	DOR/MPWT

8	Ms. Daosavanh	Project staff	MPI/DOP
9	Mr. Thippaphone Phongvichit	Technical staff	DOP/MPI
10	Mr. Vilaisack Lasarak	National Road Engineer	Consultant
11	Mr. Yanggimao	Director	CYSRBC
12	Mr. Phonekham Onlalong	Director	SKC
13	Ms. Chen Li	Material Engineer	CYSRBC

3 ITINERARY

12nd June: Fly to Luangnamtha and travel by WB's car to Oudomxay province, overnight in Oudomxay.

13rd June: Travel to the sites in Phongsaly province to inspect the implementation progress and construction quality and meeting with the stakeholder on the outstanding issues; Travel back to Oudomxay and overnight in Oudomxay.

14th June: Fly back to Vientiane.

15th June: Kick off meeting with Government counterparts for BRNH Project (MPI, DMH at MoNRE and MoF) and meeting with DOR/MPI/WB/ADPC on findings from the field visit and key actions for the remaining period.

4 TECHNICAL ISSUES

4.1 Progress:

- Lot 1: Improvement of Road Embankment and Double Box Culvert (Km44+030)

Progress at 46%

- Lot 2: Construction of pilot slope stabilization (43+950)

Progress at 48%

- Lot 3: Construction of pilot slope stabilization (64+430)

Progress at 24%

Works done: clearing and grubbing; slope cutting; interceptor drain under construction.

- Lot 4: Construction of pilot slope stabilization (83+980)

Progress at 27%.

Key points to come out of the meeting discussion were:

- The reasons for the delay are the onset of the rainy season, not full time working by the contracting teams and providing of material, and poor management by the local contractor.

- Sunny Construction, the contractor for Lot 1 and Lot 2 informed the meeting that the sub-base and base course material already produced and the slope stabilization work can be done in the rainy season, and due to these reasons he proposed to complete the work within June 2015.
- The World Bank Task Team Leader – Mr. Sombath suggested that the contractors cannot complete the work within June 2015 and he advised the contractors to revise the realistic work program and submit to the Employer.
- The contractor (SKC) for Lot 3 and Lot 4 expected that the wire mesh for rock gabion arrive to site on 16 June 2015 and once the wire mesh arrive the site, he will mobilize more team and extend the working time.
- The Mission advised both the contractors to revise their work program and reminded that, if the material cannot arrive and the works continue to have slow progress the time extension cannot be approved.
- The World Task Team Leader required the works should be done on time, but at the same the quality must comply with the specifications.

4.2 Construction quality:

After the sites visit, the following technical points were noted:

- The stones for rock gabion are not compliant with specifications in size and shape; the stones should be broken to meet with specification.
- There are too many small size stones in the rock gabion and they are in a loose state.
- The completed rock gabion is not tight enough.
- Lack of linking wires to link gabions together.

Key points to come out of the meeting discussion were:

- Location of herringbone should be extended higher on the slope to increase the capacity of drainage.
- Slope should be compacted before constructing other works.
- The stones for rock gabion should be broken to meet with specification.
- The stockpile of material at Km 44 shall store at the safe location not close to the road traffic, and an arrow sign for the traffic flow should be installed.
- The construction area should be indicated by a bigger sign, which is regularly maintained. At the present the sign and km posts are damaged and have disappeared,
- At the box culvert area, the contractor should install more traffic control and signs to indicate the detour so that the traffic can flow safely, especially during the night.

5 RECOMMENDATIONS ON WAY FORWARD

After the Mission, the following was recommended:

- The contractor has to overcome the technical issues mentioned above immediately under the close supervision of the site supervisors.

- The contractor has to identify solutions to overcome impacts of rainy season such as drainage of water during construction of earth works by temporary drainage or tarpaulins for masonry works.
- The construction progress has to speed up immediately as the rainy season has just begun.
- Contractors, especially SKC shall mobilize more labourers, materials and equipment to the sites; extend the working time, and efficiency managements.