

## 付属書ー 1 プロジェクト合同調整委員会 (JCC) 関連資料

**付属書－ 1 (a) 第 1 回 JCC (2011 年 5 月 19 日)**

# **The Project on Riverbank Protection Works Phase II For The Joint Coordinating Committee Meeting First Year**

Date: May 19, 2011 (Thu)

Venue: Meeting Room of Department of Waterways, MPWT

## **1. Joint Coordinating Committee**

### (1) Function

The Joint Coordinating Committee (hereinafter referred to as “JCC”) will be organized and meet at least once a year and whenever necessity arises, in order to fulfill the following functions;

- (a) To approve the annual work plan formulated by the Project
- (b) To review the over all progress and achievements of the project and activities carried out under the above mentioned annual work plan
- (c) To review and exchange opinions on any issues that may arise from or concerning the Project

### (2) Membership

(a) Chairperson: Minister, MPWT

(b) Co chairperson: Director General, Department of Planning and Cooperation, MPWT  
Director General, DoW, MPWT  
Chief Representative, JICA Laos Office

(c) Lao side: Representatives, Bank Protection and Flood Control Division, DoW, MPWT  
Representatives, Planning and Disbursement Division, DoW, MPWT  
Deputy Director, DPWT, Bokeo province  
Head of Road and Bridge Unit, DPWT, Luangprabang province  
Director General, DPWT, Bolikhamxay province  
Representatives, DPWT, Vientiane Capital  
Representative, Department of International Cooperation, MPI  
Other officials mutually agreed upon

Japanese side: Japanese experts  
Representative, JICA Laos Office  
Other relevant personnel mutually agreed upon

Note: The members of the committee may appoint their substitution to attend the committee meeting.

### Agenda:

- |                 |   |
|-----------------|---|
| <9:00– 9:20>    | Registration  |
| <9:20 – 9:30>   | Keynote Opening<br>Mr. Bounchanh SINTAVONG, Vice Minister.  |
| <9:30 – 9:40>   | Greeting form JICA<br>Mr. Masato TOGAWA, Chief Representative JICA Lao Office   |
| <9:40 – 10:00>  | Explanation of Project Activity for First Year<br>Mr. Souksavanh THITHAVONG ,Project Manager                            |
| <10:00 – 10:10> | Coffee Break  |
| <10:10 – 10:30> | Explanation of Annual Work Plan for second Year<br>Mr. Taketoshi MATSUNAGA, Chief Advisor                               |
| <10:30 – 10:50> | Expectation toward Phase ii<br>Mr. Hirohi TAKAGI, Associate Expert, Global Environment<br>Department (JICA Headquarter) |
| <10:50 – 11:30> | Discussion  |
| <11:30 – 11:40> | Summary of Meeting , Mr. Bounchanh SINTAVONG, Vice Minister.  |
| <12:00>         | Closing Mr. Hounglar SENGMUANG, Project Director ( Director General<br>of Inland Waterways.                             |

ລາຍຊື່ຜູ້ເຂົ້າຮ່ວມປະຊຸມ

PARTICIPANTS LIST

AGENDA	ກອງປະຊຸມ ຄະນະຊີ້ນຳໂຄງການ ຮ່ວມມືທາງດ້ານເຕັກນິກ ປ້ອງກັນຕະຜັງເຈືອນ ລາວ-ຍີ່ປຸ່ນ ຊ່ວງ II THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II The Joint Coordinating Committee Meeting First Year					
DATE	May 19, 2011 (Thu)					
PLACE	MPWT Meeting room (No.3), Vientiane					
No.	NAME	ORGANIZATION	POSITION/TITLE	TEL	E-Mail	SIGNATURE
1	Mr Nouansavanh SENGMAHY	DPWT Bolichaukay	Director DPWT	22332007	nouansavanh@yahoo.com	
2	Mr. Asween INPHITHACK	DPWT Luang Prabang	Dep Director	55346277	aswiptpst@yahoo.com	
3	Mr. DALIVANH PROUSAVANH	DPWT BOKEO	Director DPWT	2380338	dprousavanh@yahoo.com	
4	Mr. Houngkat S.	DOW	DG	222204245	Houngkat@yahoo.com	
5	Mr. Rokuro KOBAYASHI	JICA Expert	Expert	02055668537	kobayark@cb3.so-net.ne.jp	
6	Mr. Taketoshi MATSUNAGA	JICA Expert	Chief Adviser	02056703941	matsunagatk@newjec.co.jp	
7	Mr. Hiroshi TAKAGI	JICA HQ	Associate Expert		takagi.hiroshi@jica.go.jp	
8	Mr. Masato TOGAWA	JICA Laos	Chief Rep.	021241100		
9	Ms. Yoko HATTOPI	JICA Laos	Rep	021241100	Hattori.Yoko@jicag.jp	
10	Mr. Hideki Otsuki	JICA Expert	Wice Chief Advisor	02059557768	otsukihd@newjec.co.jp	
11	Mr. Tsutomu KAMEYAMA	"	Construction management	020-	ic625863@nifty.com	
12	Ms. Ikuko KAWABATA	"	Section chief		kawabatakk@newjec.co.jp	
13	Mr. Chanthavong Soukchanphone	"	Coordinator	5955-7769	chansic@newjec.co.jp	
14	Mrs. Chanthaphone Soukvanh	DOW	Deputy Director of Division Budgeting and Planning	02824	Soukvanh@yahoo.com	
15	Mr. Khem Seng ALY	"	Deputy Director of Division / Riverbank Protection and Flood Control		ALY_Seng@yahoo.com	

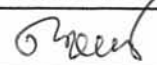
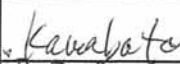



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PARTICIPANTS LIST

No.	NAME	ORGANIZATION	POSITION/TITLE	TEL		SIGNATURE
AGENDA	ກອງປະຊຸມ ຄະນະຊີ້ນຳໂຄງການ ຮ່ວມມືທາງດ້ານເຕັກນິກ ບ້ອງກັນຕະຝັງເຈືອນ ລາວ-ຍີ່ປຸ່ນ ຊ່ວງ II THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II The Joint Coordinating Committee Meeting First Year					
DATE	May 19, 2011 (Thu)					
PLACE	MPWT Meeting room (No.3), Vientiane					
16	Mr. Bouonlax XAYAVONG	Plamony	Technical	77829093		
17	Ms. Monlatda CHANTHAVONG	JICA	Assistance Program Officer	2492934	Monlatda.C.LA@jica.go.jp	
18	Mr. Khampheng LEEFHUNG	MPWT	M. civil Engeneer	55338377	dondow@yahoo.com	
19	Mr. Phimmason Sengsouyavong	CP project	CP project	22228820	Phimmason.tony@hotmail.com	
20	Mr. Anouay Mongkhoun	Project	Counter Part	77921979	anouay87@gmail.com	
21	Mr. Valiya SICHANTHONGTHIP	Japan Desk	Japan Desk	9607272	Valiyaseo@hotmail.com	
22	Mr. Souksavanh	DIC. MPWT	M/P	55662531	no my 633@yahoo	
23						
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28						
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ລາຍຊື່ຜູ້ເຂົ້າຮ່ວມປະຊຸມ

PARTICIPANTS LIST

AGENDA	ກອງປະຊຸມ ຄະນະຊີ້ນຳໂຄງການ ຮ່ວມມືທາງດ້ານເຕັກນິກ ບ້ອງກັນຕະຜັງເຈືອນ ລາວ-ຍີ່ປຸ່ນ ຊ່ວງ II THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II The Joint Coordinating Committee Meeting First Year					
DATE	May 19, 2011 (Thu)					
PLACE	MPWT Meeting room (No.3), Vientiane					
No.	NAME	ORGANIZATION	POSITION/TITLE	TEL	E-Mail	SIGNATURE
1	Bounchanh SINTHAVON	MPWT	vice manager	99901326		
2	TakeToshi Matsunaga	NEWJEC	Chief Advisor	5670-3941		
3	Hideki Otsuki	-"-	vice chief Advisor	5955-7768		
4	Rokoro Kobayashi	-"-	River Engineering	5566 8537		
5	Ikuko Kawasata	-"-	Ve getation Engineering		kawabatak@newjec	
6	Chanthavong SOUK CHALEUNE	-"-	Coordinator	5955-7769		
7						
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10						
11						
12						
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MINUTES OF MEETING  
OF  
THE FIRST JOINT COORDINATING COMMITTEE  
FOR  
THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II

AGREED UPON BETWEEN  
THE CONSULTANT TEAM ORGANIZED BY  
JAPAN INTERNATIONAL COOPERATION AGENCY  
AND  
THE DEPARTMENT OF WATERWAYS OF  
THE MINISTRY OF PUBLIC WORKS AND TRANSPORT OF  
THE GOVERNMENT OF LAO PEOPLE'S DEMOCRATIC REPUBLIC

The Consultant Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") visited Lao People's Democratic Republic (hereinafter referred to as "Lao P.D.R.") from November 7 to December 15, 2010 and January 10 to May 26, 2011 for the purpose of implementation of a series of activities for the first year regarding the Project on Riverbank Protection Works Phase II (hereinafter referred to as "the Project").

The result of project activities for the first year, annual work plan for the second year and other concerned issues were reported and discussed at the Joint Coordinating Committee (JCC) meeting for the Project in Vientiane on May 19, 2011.

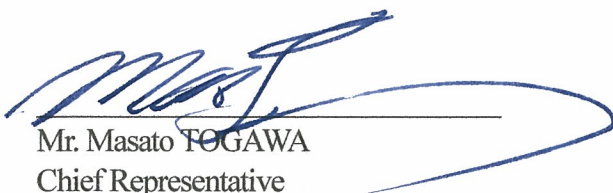
As a result of the JCC meeting, the Team and the Department of Waterways, Ministry of Public Works and Transport (hereinafter referred to as "both sides") agreed as shown in the "Attached document".

Vientiane, May 19, 2011

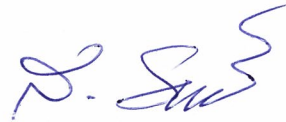


Mr. Taketoshi MATSUNAGA  
Chief Advisor/ River Management,  
Consultant Team for the Project on  
Riverbank Protection Works Phase II

Witnessed by:

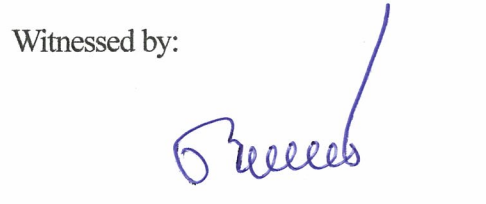


Mr. Masato FOGAWA  
Chief Representative  
JICA Laos Office



Mr. Souksavanh THITHAVONG  
Project Manager for Riverbank Protection  
Works Phase II

Witnessed by:



H.E. Mr. Bounchanh SINTHAVONG  
Vice Minister  
Ministry of Public Works and Transport

## ATTACHED DOCUMENT

### I. DISCUSSION POINTS

Discussion points were summarized by H.E. Mr. Bounchanh SINTHAVONG, Vice Minister of the Ministry of Public Works and Transport as the chairperson of JCC meeting as shown below.

1. JCC membership accepted the result of project activities for the first year.
2. JCC membership accepted the annual work plan for the second year.
3. JCC membership and attendance confirmed the following project policy;
  - Counterpart (C/P) needs to have proper knowledge to be able to choose appropriate methods suit for river conditions.
  - The Project should aim at the dissemination of eco-friendly and low-cost riverbank protection for all provinces in the future.
  - C/P should possess comprehensive knowledge for materializing eco-friendly and low-cost riverbank protections by themselves.
4. Other concerned issues discussed at the JCC meeting were summarized as follows:
  - (1) JCC membership accepted to organize the training course at the target provinces such as Bokeo, Bolikhamxay and Luangprabang before and after pilot construction of the Project.
  - (2) JCC membership accepted that local contractors, if they meet the conditions required for the enrollment, will be able to participate to the above-mentioned training course.
  - (3) JCC membership confirmed that Lao side will request to JICA via the Team regarding the additional office facility such as personal computers, photocopy machine, digital cameras and so forth for the smooth project implementation after further discussion on its necessity between both sides.
  - (4) JCC membership accepted the further site selection for Bolikhamxay with priority for Ban Pakthoay and Ban Keng Sadok.
  - (5) JCC membership confirmed that Lao side will consult the Ministry of Planning and Investment for dissemination of eco-friendly and low-cost riverbank protection for all provinces in the future.
  - (6) JCC membership confirmed that Lao side will make more efforts for allocating the budget for the pilot projects and the dispatch of C/P to the sites.
  - (7) JCC membership confirmed that C/P from DPWT Vientiane Capital was changed from Mr. Bounkhong PHOUMDOUNGDIY who had been listed as C/P in the Record of Discussion (R/D) signed on July 2010 to Mr. Phonesay SOULIYAVONG.

### Annex I LIST OF ATTENDANCE



## Annex I LIST OF ATTENDANCE

### Ministry of Public Works and Transport (MPWT)

1. H.E. Mr. Bounchanh SINTHAVONG, Vice Minister

#### Department of Waterways (DOW)

1. Mr. HOUNGLA SENGMUANG, Director General
2. Mr. KHAMSENG ALY, Deputy Director, Bank Protection and Flood Control Division
3. Ms. CHANTHAVIPHONE SOULIVANH, Deputy Director, Budget and Planning Division

#### Department of Planning and Cooperation

1. Mr. BOUNLAK XAYOVDOM, Technical Staff

### Ministry of Planning and Investment

1. Mr. VALIYA SICHANTHONGTHIP, Japan Desk

### Department of Public Works and Transport (DPWT)

1. Mr. DALIVANH PHOUSAVANH, Director General, DPWT Bokeo Province
2. Mr. NOUANSAVANH SENGMANY, Director General, DPWT Bolikhamxay Province
3. Mr. ASWEEN INPHITHACK, Deputy Director General, DPWT Luangprabang Province

### Counterpart Officials

1. Mr. SOUKSAVANH THITHAVONG, Project Manager, DOW, MPWT
2. Mr. KHAMPEHIUY LEEFHUNG, Technical Staff, DOW, MPWT
3. Mr. PHIMMASONE SENGSOURIYAVONG, Technical Staff, DOW, MPWT
4. Mr. ANOUXAY MONGKHOUN, Technical Staff, DOW, MPWT

### JICA Head Quarter

1. Dr. HIROSHI TAKAGI, Associate Expert, Global Environment Department

### JICA Laos Office

1. Mr. MASATO TOGAWA, Chief Representative
2. Ms. YOKO HATTORI, Representative
3. Ms. MONLATDA CHANTHAVONG, Assistant Program Officer

### The Consultant Team

1. Mr. TAKETOSHI MATSUNAGA, Chief Advisor/ River Management
2. Dr. HIDEKI OTSUKI, Vice Chief Advisor/ River Management
3. Dr. ROKURO KOBAYASHI, River Engineering/ Riverbank Protection Planning & Design/ Topographical Survey
4. Mr. TSUTOMU KAMEYAMA, Construction Supervision/ Cost Estimation
5. Ms. IKUKO KAWABATA, River Vegetation Works/ Maintenance
6. Mr. CHANTHAVONG SOUKCHALEUNE, Project Coordinator 1/ Assistant Riverbank Protection Planning & Design/ Assistant Cost Estimation

付属書－ 1 (b) 第 2 回 JCC (2012 年 5 月 24 日)

## The Project on Riverbank Protection Works Phase II

### The Joint Coordinating Committee

– For the Second Year –

#### Context:

The Joint Coordinating Committee (JCC) will be organized and meet at least once a year and whenever necessity arises, in order to fulfill the following functions:

- (a) To approve the annual work plan formulated by the Project
- (b) To review the over all progress and achievements of the project and activities carried out under the above mentioned annual work plan
- (c) To review and exchange opinions on any issues that may arise from or concerning the Project

Second JCC meeting will be held in association with the mid-term joint evaluation mission

#### Membership:

- (a) Chairperson: Minister, MPWT
- (b) Co chairperson: Director General, Department of Planning and Cooperation, MPWT  
Director General, DoW, MPWT  
Chief Representative, JICA Laos Office
- (c) Lao Side: Representatives, Bank Protection and Flood Control Division, DoW, MPWT  
Representatives, Planning and Disbursement Division, DoW, MPWT  
Deputy Director, DPWT, Bokeo Province  
Head of Road and Bridge Unit, DPWT, Luangprabang Province  
Director General, DPWT, Bolikhamxay Province  
Representatives, DPWT, Vientiane Capital  
Representative, Department of International Cooperation, MPI  
Other officials mutually agreed upon
- (d) Japanese Side: Japanese Experts  
Representative, JICA Laos Office  
Other relevant personnel mutually agreed upon
- (e) Mid-term Joint Evaluation Team

Note: The members of the committee may appoint their substitution to attend the committee meeting.

**Date:** May 24, 2012 (Thu)

**Venue:** Conference Room of MPWT

**Agenda:**

<09:00 – 09:30> Registration

<09:30 – 09:40> Keynote Opening

Mr. Hounгла SENGMUANG, Director General Department of Waterways

<09:40 – 09:50> Greeting from JICA

Mr. Yoshiharu YONEYAMA, Senior Representative, JICA Laos Office

<09:50 – 10:40> Explanation of Project Activity for First & Second Year

Mr. Souksavanh THITHAVONG, Project Manager

<10:40 – 10:55> Coffee Break

<10:55 – 11:45> Explanation of Annual Work Plan for the Third Year

Mr. Taketoshi MATSUNAGA, Chief Advisor of JICA Consultant Team

<11:45 – 13:00> Lunch

<13:00 – 14:15> Explanation of Mid-term Evaluation Report

Mid-term Joint Evaluation Team

<14:15 – 14:30> Coffee Break

<14:30 – 15:00> Discussion

<15:00 – 15:15> Conclusion of Minutes of Meeting

<15:15 – 15:30> Closing

Mr. Hounгла SENGMUANG, Director General Department of Waterways

**Expense:**

Conference Expenses: by Consultant Team

Lunch: by Consultant Team

Transportation Fees from Province to Vientiane (based on MPWT's regulation):

by Consultant Team

Per Diem and Accommodation Fees (based on MPWT's regulation):

by MPWT



## PARTICIPANTS LIST

AGENDA	THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II The Joint Coordinating Committee Meeting (the Second Year)				
DATE	24 May.2012				
PLACE	Ministry of Public Works and Transport, Vientiane				
NO.	NAME	ORGANIZATION	PROSITION/TITEL	TEL or E-MAIL	SIGNATURE
1	Mr.Houngla SENGMUANG	DOW	DG	22220435	
2	Mr Boun Khang Souk SAVATH	D PWT L.PB	Deputy	55570723	
3	Mr. Khamphay Phonthachack	DPWT Boko	head of water way	22282919	
4	Mr. Kouthong SOMMALA	DIC/MPI	Deputy head. Di	55019942	
5	Mr. Khamphai LEEFHUNG	DOW	Staff	55338377	
6	Mr. Kham Sane phaynaray	DPWT D.K	C/P	22332466	
7	Mr. Anouay MONKHOUNG	Dow	C/P	22622555	
8	Mrs. Chanbounphon Soulivanh	DOW	DD	22402829	
9	Mr Bounchanhinh Palaseu	Dow	staff	59876406	
10	Mrs. Kham Seang Bly	DOW	Deputy head of RIB	22215688	
11	OU LOY	DPC	DDS		
12	NORITAKE MORI	JICA Expert	MPWT	5932-8311	
13	Mr. Phomsay Souk SYAVONG	DPWT. VI	C/P	02022086161	
14	Mr. Khamphong Thepkhamharas	DPWT/BKX	Deputy of the project	22332279	
15	Mr. Takechi Matsunaga	JICA Consultant Team	Chief Advisor	56703941	
16	Ms. Yoko Hatton	JICA Laos office	R	241100	
17	Mr. Yoshiharu Yoneyama	JICA Laos office	SR	"	
18	Mr. Hideo MIYAMOTO	JICA HDQ	Leader of Mid-term review Team		
19	Ms. Yuki TANAKA	JICA HQ	member of Mid-term review Team		
20	Mr. Tomoya KIKUTA	JICA HQ	Member of Mid-term review Team		
21	Ms. KINUKO MITANI	JICA Mission	Same as above		
22	Dr. Hideki Otsuki	JICA Consultant Team	Vice Chief Advisor	59557468	
23	Mr. Yoshihiro MIWA	JICA Consultant Team	River Engineering	58105962	
24	Ms. Rumi Kato	JICA consultant team	coordinator	55670991	
25	Ms Monlatda CHANTHAVONG	JICA Laos Office	Assistant Program Offi.	22492934	
26	Mr. Nouansavanh SENGMANY	DPWT/BKX	Sir. PWT BKX	22332007	
27	Mr. Phummasone Sengseuriya/voong	Dow	Staff C/P	22228820	
28	Ms. Moutmany Vannasy	DOW	staff CP	23330112	
29	Mr. Souk Savang THITHAVONG	Dow	Project Manager	55668531	
30	Mr. Vitayseuk Thongkhamhan	Freelancer	Interpreter	27445263	

**MINUTES OF MEETING**  
**BETWEEN**  
**JAPAN INTERNATIONAL COOPERATION AGENCY**  
**AND**  
**MINISTRY OF PUBLIC WORKS AND TRANSPORT OF THE GOVERNMENT OF THE**  
**LAO PEOPLE'S DEMOCRATIC REPUBLIC**  
**ON**  
**JAPANESE TECHNICAL COOPERATION**  
**FOR**  
**THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II**

The Japanese Mid-term Review Team (hereinafter referred to as "the Team") organized by Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Hideo Miyamoto, visited Lao People's Democratic Republic (hereinafter referred to as "Lao P.D.R.") from May 8 to May 24, 2012, for the purpose of conducting the Mid-term Review of "the Project on Riverbank Protection Works Phase II" (hereinafter referred to as "the Project").

The Team exchanged the views and had a series of discussions on the Project with the Ministry of Public Works and Transport (hereinafter refer to as "MPWT") of the Government of the Lao P.D.R.

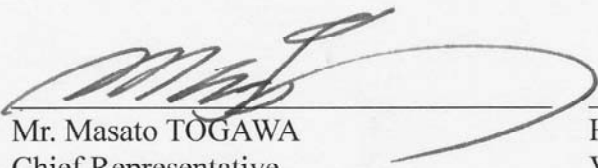
As the result of review and analysis of the activities and progress of the Project, both the Team and MPWT agreed to the matters referred to in the documents attached hereto and forward it to the respective governments.

Vientiane Capital, May 24, 2012



Mr. Hideo MIYAMOTO  
Leader  
Mid-Term Review Team  
Japan International Cooperation Agency

*witnessed by:*




Mr. Masato TOGAWA  
Chief Representative  
JICA Laos Office



Mr. Hounгла SENGMUANG  
Director General  
Department of Waterways  
Ministry of Public Works and Transport

*witnessed by:*



H.E. Mr. Bounchanh SINTHAVONG  
Vice Minister  
Ministry of Public Works and Transport



JOINT EVALUATION REPORT  
(MID-TERM REVIEW)

THE JAPANESE TECHNICAL COOPERATION

THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
JAPAN

MINISTRY OF PUBLIC WORKS AND TRANSPORT  
LAO PEOPLE'S DEMOCRATIC REPUBLIC

MAY 24, 2012

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  - 1.1 Objectives of the mid-term review
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  - 1.3 Members of the joint *mid*-term review team
  - 1.4 Schedule of the joint mid-term review
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  - 2.1 Background of the Project
  - 2.2 Project overview
    - 2.2.1 Overall goal
    - 2.2.2 Project purpose
    - 2.2.3 Outputs
    - 2.2.4 Beneficiaries
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  - 3.1 Japanese side
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  - 4.1 Outputs
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- Annex 1: Evaluation grid
- Annex 2: Schedule of the mid-term review
- Annex 3: PDM (Version 1)
- Annex 4: Plan of Operation (Version 1)
- Annex 5-1: List of the project members from Japanese side
- Annex 5-2: List of the training in Japan
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- Annex 5-4: List of the equipment procured
- Annex 5-5: List of the project members from Lao side

## List of Abbreviations

BKO	Bokeo Province
BLM	Bolikhamxay Province
C/P	Counterpart
DMH	Department of Meteorology and Hydrology
DoW	Department of Waterways
DPWT	Department of Public Works and Transport
GOJ	Government of Japan
GOL	Government of Lao P.D.R.
IDI	Infrastructure Development Institute
JCC	Joint Coordination Committee
JICA	Japan International Cooperation Agency
LAK	Lao Kip
LPB	Luangprabang Province
M/M	Minute of Meetings
m/m	Man/month
M/P	Master Plan
MPI	Ministry of Planning and Investment
MRC	Mekong River Commission
MPWT	Ministry of Public Works and Transport
OJT	On-the-Job-Training
PDM	Project Design Matrix
R/D	Record of Discussions
VTE	Vientiane Capital

*See*

*M.S.*

*MS*

## **1. Introduction**

### **1.1 Objectives of the mid-term review**

The joint mid-term review was conducted with the following objectives:

- (1) to verify and evaluate the outputs and achievements of the Project;
- (2) to provide recommendations on the project activities for the remaining period; and
- (3) to draw lessons learned for implementing similar projects in the future.

### **1.2 Methodology**

#### (1) Joint mid-term review

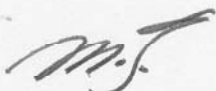
The Project was jointly evaluated by Lao and Japanese review teams. The review activities included report analysis and interviews with the project members. The review follows the Japan International Cooperation Agency (JICA) Guideline for Project Evaluation and is based on the five evaluation criteria: relevance, effectiveness, efficiency, impact and sustainability (see Annex 1).

#### (2) 5 Evaluation Criteria

- 1) Relevance: Relevance refers to the integrity and necessity; whether the project purpose meets the needs of the intended beneficiaries; whether it is consistent with Lao's policies, and Japan's aid policies; and whether the approach of the Project is appropriate.
- 2) Effectiveness: Effectiveness refers to the extent to which the project purpose has been achieved to benefit the beneficiaries and target societies.
- 3) Efficiency: Efficiency refers mainly to the relationship between the costs and outputs; whether input resources have been utilized effectively or not.
- 4) Impact: Impact refers to the long-term effects and ripple effects brought by the project implementation; including the achievement level of the overall goal and unintended positive and negative effects.
- 5) Sustainability: Sustainability refers to the extent to which the achievements of the Project would be further continued or expanded after the completion of cooperation.

### **1.3 Members of the joint mid-term review team**

The members of the joint mid-term review team (the Team) are shown below. There is one member from Lao side, and four members from Japanese side. In total, five persons took part in conducting the joint review of the Project.



(1) Lao team

Role in the team	Name	Position/Organization
Member	Mr. Khamseng Aly	Deputy Chief, Riverbank Protection and Flood Control Division, DoW, MPWT

(2) Japanese team

Role in the team	Name	Position, Organization
Team Leader	Mr. Hideo Miyamoto	Senior Advisor to the Director General, Water Resources and Disaster Management Group, Global Environment Department, JICA
Technical Evaluation	Mr. Tomoya Kikuta	Deputy Director, Disaster Management Division 1, Water Resources and Disaster Management Group, Global Environment Department, JICA
Planning and Coordination	Ms. Yuki Tanaka	Program Officer, Disaster Management Division 1, Water Resources and Disaster Management Group, Global Environment Department, JICA
Evaluation Analysis	Ms. Kinuko Mitani	Consultant, IC Net Limited

**1.4 Schedule of the mid-term review**

The joint mid-term review was conducted from May 8 to 24, 2012. The detailed schedule of the evaluation is attached as Annex 2.

**2. Outline of the project**

**2.1 Background of the Project**

Lao People's Democratic Republic (Lao P.D.R.) is located on the Mekong River Basin, and has been flourished on inland water transport with neighboring countries such as China and Thailand. On the other hand, collapse and washout of the riverine land caused by riverbank erosion has been occurred along the Mekong River.

JICA expert was dispatched to the Ministry of Public Works and Transport (then Ministry of Communications, Transport, Post and Construction) in 1990s. Responsibilities of the expert included technology transfer of Japanese traditional river works, which is low cost and easy to maintain. The expert was also responsible for implementation of pilot construction, which applied Riprap Groyne method in Bokeo Province (BKO). Then, the Infrastructure Development Institute (IDI), Japan studied local applicability of Japanese traditional river works such as Soda Mattress method as well as other methods. IDI demonstrated riverbank protection measures using various methods as highlighted above on a pilot basis in Vientiane Capital (VTE). As the result of the contribution made by Japanese side, the Government of Lao P.D.R. (GOL) requested to the Government of Japan (GOJ) to establish a master plan (M/P) of riverbank erosion protection using Japanese traditional methods, which can be applied using

resources available at low cost in Laos. According to the request, JICA conducted “The Study on Mekong Riverbank Protection around Vientiane Municipality (Development Study)” in 2001. The study duration was approximately three years. In the development study, low cost methods were studied through pilot constructions in three sites using Japanese traditional river works. Based on the findings of the development study, M/P of riverbank erosion protection in VTE was prepared. The M/P set 2020 as the target year for completing necessary river protection measures in critical areas in Laos. Based on the M/P, GOL requested to GOJ a technical cooperation project to improve ability to conduct and maintain riverbank protection measures using traditional methods. “The Technical Cooperation Project on Riverbank Protection Works in Lao P.D.R. (Phase I)” was implemented from 2005 to 2007. As a follow-up to Phase I, the GOL requested the GOJ to plan and implement the second phase of the Project on Riverbank Protection Works (the Project) in 2008. In response to the request, the GOJ agreed to implement the Project. The Minute of Meetings (M/M) of the Project was signed in March 2010, and the Record of Discussion (R/D) of the Project in July 2010. The duration of the Project was planned for four years – November 2010 to October 2014.

## **2.2 Project overview**

The Project revised the Project Design Matrix (PDM) in May 2012. At the time of mid-term review, PDM (Version 1) was drafted to include newly defined (in exact score) objectively verifiable indicators against the expected outputs (see Annex 3). It was approved by the Joint Coordination Committee (JCC) Meeting held on May 24, 2012.

### **2.2.1 Overall Goal**

The overall goal of the Project and the objectively verifiable indicators to measure the achievement levels of the overall goal are shown below. There is no change made to the overall goal and its indicator agreed at the time of project formation. In the Project, the following approaches shown in Table 1 are introduced as low-cost and environmentally friendly measures for riverbank protection.





Table 1 Function and structure of traditional river work methods

Work Method	Functional Classification	Description of Function	Structural Classification	Description of Structure
Bank Protection	Slope protection work	Protect river bank slope from erosion by flowing water and direct shock by driftwoods, etc.	Sodding work	Sod lawn to slope to protect slope.
			Haguchi work	Stones, straw bag, etc. to protect bank slope (haguchi) and "earth dike" parts exposed to running water.
			Hurdle work	Make hurdles in a reticular pattern using soda, cover slope by paving inside of reticular pattern with soil and gravel for protection.
			Basket work	Make baskets and fill the baskets with cobbled stones, macadam, and gravel, then cover slope with the baskets for protection.
			Stone work	Mainly apply to levee or bank with slope of 10 to 30%. Cover entire surface of deversoir and the like with stone work. Stone work is conducted either by mounding or paving stones (generally, the phrase "paving stones" is used when slope is flatter than 1:1).
	Toe protection work	Support slope protection work considering flooding water	Foundation work	Build foundation at the lower end of the slope to support the slope.
			Hurdle work	Build hurdle at the lower end of the slope and fill the back side with soil and stones to support the slope.
			Crib work	Drive backup piles to prevent piles of hurdle from tilting and form frames by connecting each other with wood, wire, etc. for reinforcement.
	Foot protection work	Make rivetment work more solid considering riverbed evolution, etc. such as local riverbed scouring	Riprap work, Rubble-draw work	Protect toe protection work from riverbed evolution such as local riverbed scouring by placing big rubble and cobble stones in front of revetment (Riprap work) or by drawing only big cobbled stones to riverbank (Rubble-draw work). They are easy-to-implement works and highly effective.
			Mattress work	Insert stones into soda, etc. and sink them in water to protect revetment work from riverbed evolution such as local riverbed scouring. Mattress work also serves as foundation of groyne works.
Groyne	Groyne work	Groyne work serves as roughness element against water flow and slows flow velocity to protect riverbank from erosion. Or they directly obstruct water flow and change direction of water flow to protect riverbank	Skeleton work	Skeleton work is permeable groyne, which is mountain-ridge-shaped wooden frame weighted by gabions so that it does not turn over. Skeleton work is used in riverbed consisting of sand gravel since it is difficult to drive piles into sand gravel. It is said that the origin of this frame is ledge used to dry sheaves. Various frames have been developed depending on river characteristics.
			Crib work	Crib work is non-permeable groyne, which is wooden frame weighted by cobbled stones. Crib work is also used in riverbed consisting of sand gravel as skeleton work is.
			Various dike works	Dike extends to the center of the river. There are many methods of works using pebble, soil, pile, etc.

Source: "Kasen Dento Kogei Donyu-no Kangaekata (How to approach implementation of traditional river work)", Kasen Kankyo Sogo Kenkyusho Report, No. 10, 2004 – Project Inception Report (p.13)

There is no change made to the overall goal of the Project as well as the objectively verifiable indicator as shown in Table 2. The overall goal is expected to be achieved by efforts of Lao side in three to five years after the project termination.

Table 2 Overall goal of the Project – plan and actual

Narrative Summary	Plan (Version 0)	Actual (Version 1)
Overall Goal	The other provincial DPWT staff, besides the target group, will be able to implement low cost and environmentally friendly protection measures against riverbank erosion.	No change
Objectively Verifiable Indicator	Riverbank protection works will be implemented at least one site in the other provinces.	

### 2.2.2 Project Purpose

The project purpose and the objectively verifiable indicator to measure the achievement levels of the project purpose are shown in Table 3. There is no change made to the project purpose and its indicator set at the time of project formation.

Table 3 Project purpose of the Project – plan and actual

Narrative Summary	Plan (Version 0)	Actual (Version 1)
Project Purpose	The capacity of the staff of the target group on riverbank protection measures with reasonable cost and environmental friendly ways is improved.	No change
Objectively Verifiable Indicator	Riverbank protection works will be implemented at least three sites in the pilot project provinces.	

### 2.2.3 Outputs

There are four expected outputs in the Project as shown in Table 4. No changes are made to the outputs, which were set at the time of project formation. During the mid-term review, discussions between the Project and the Team were held to clearly define the objectively verifiable indicators<sup>1</sup>. As the result of the discussions, 75 out of 100 points was set as the target score. 75 points indicates the capacity level of self-sufficiency as relatively high<sup>2</sup>. The Japanese experts believe that one who gets 75 points will be able to perform independently (without guidance of Japanese expert(s)).

<sup>1</sup> At the time of project formation, it was agreed that evaluation of the ability improvement of the C/P would be made based on an evaluation criteria that was prepared after project commencement.

<sup>2</sup> 50 points indicates the capacity level of fair (requires some guidance from Japanese expert(s)). 100 points means the capacity level of excellent.

Table 4 Outputs of the Project – plan and actual

Narrative Summary	Plan (Version 0)	Actual (Version 1)
Output 1	Capacity of survey and planning on riverbank protection works is improved.	No change
Objectively Verifiable Indicators	All the C/P understands the survey and planning technique on the riverbank protection through OJT.	All the C/P scores 75 points when the Japanese experts evaluate abilities related to survey and planning technique on the riverbank protection through OJT.
Output 2	Capacity of design and construction on riverbank protection works is improved.	No change
Objectively Verifiable Indicators	All the C/P understands the design and construction on the riverbank protection through OJT.	All the C/P scores 75 points when the Japanese experts evaluate abilities related to design and construction on the riverbank protection through OJT.
Output 3	Capacity of monitoring, maintenance, and evaluation on riverbank protection works is improved.	No change
Objectively Verifiable Indicators	All the C/P understands the monitoring, maintenance, and evaluation on the riverbank protection through OJT.	All the C/P scores 75 points when the Japanese experts evaluate abilities related to monitoring, maintenance, and evaluation on the riverbank protection through OJT.
Output 4	Wider knowledge on river engineering that is helpful to measures against riverbank erosion is attained.	No change
Objectively Verifiable Indicators	All the C/P understands the river management and river engineering on the riverbank protection through OJT.	All the C/P scores 75 points when the Japanese experts evaluate knowledge related to river management and river engineering on the riverbank protection through OJT.

#### 2.2.4 Beneficiaries

Direct beneficiaries of the Project are staff members of DoW, MPWT at central and of DPWT in BKO, Luangprabang Province (LPB) and Bolikhamxay Province (BLM). Indirectly, the Project is expected to be beneficial to technical staff members of DoW and DPWT who are not directly implementing the Project. Similarly, the Project aims to indirectly benefit local community members who reside in and around the areas where the riverbank protection works are planned and/or constructed.

### 3. Inputs provided to the Project

In the R/D including the project framework, which is called as PDM stated the inputs to be provided from both Lao and Japanese sides for the project implementation.

#### 3.1 Japanese side

According to the R/D, seven experts from Japan were to be dispatched to the Project. In the course of project commencement, the number of experts to be dispatched was increased. List

of the current experts dispatched to the Project is shown below. At the time of mid-term review, 38.67 man/month (m/m) for the project implementation in Laos out of 75.00 m/m, is estimated to be spent by the end of the second year of the Project. No m/m for activities in Japan by the Japanese experts is allocated for the first and second year of the project implementation.

(1) Inputs from Japanese side – in Laos

Expert	First Year Plan (m/m)	First Actual (m/m)	Second Year Plan (m/m)	Second Year Actual* (m/m)
Chief Advisor/ River Management	5.37	5.63	2.87	5.33
Vice Chief Advisor/ River Management	3.70	3.70	0.73	2.87
Geological Survey	1.43	1.20	0.73	0.53
River Engineering/ Riverbank Protection Planning and Design/ Topographic Survey	5.20	5.13	2.84	3.30
Construction Supervision/ Cost Estimation	1.90	1.83	1.93	3.36
Traditional Riverbank Protection/ Construction Advice	1.33	1.53	0.73	1.10
River Vegetation Works/ Maintenance	1.77	1.73	0.73	1.43
Project Coordinator 1 <sup>3</sup> / Assistant Riverbank Protection Planning and Design/ Assistant Cost Estimation	1.00	0.93	0	0.97
TOTAL	20.70	20.75	10.56	17.92

\*Actual shows the total m/m spent during the first and second year of the project period.

According to the Japanese experts, the planned activities are expected to be completed before the project termination and within the m/m planned for the Project.

### 3.2 Lao side

As planned, Lao side assigned the following personnel such as project director, project manager and project members consist of personnel from central and provincial levels as shown in Table 5. One of the project members from DPWH LPB is changed. The change is reflected in Table 5.

Table 5 List of the project members from Lao side – at the time of mid-term review

Counterpart	Name	Post, Organization
Project Director	Mr. Houngla Sengmuang	Director General, DoW, MPWT
Project Manager	Mr. Souksavanh Thithavong	Civil Engineer, Bank Protection and Flood Control Division, DoW, MPWT
Project Management office - Member	Mr. Phimmason Sengsouriyavong	Technical Staff, Bank Protection and Flood Control Division, DoW, MPWT
Project Management	Mr. Khamphieuy Leefhung	Technical Staff, Post and Navigation Channel

<sup>3</sup> There is Project Coordinator 2 dispatched to the Project. This post is added to the Project owing to the initiative of the Contractor (NEWJEC Inc.), which is the implementing agency of the Project on behalf of JICA. Hence, m/m of Project Coordinator 2 is not counted in the total m/m of the Project.

office - Member		Division, DoW, MPWT
Project Management office - Member	Mr. Anouxay Mongkhoun	Technical Staff, Waterways Transport Division, DoW, MPWT
Target Area - Member	Mr. Phonesay Souliyavong	Technical Staff, Bank Protection Unit, DPWT VTE
Target Area - Member	Mr. Som Ock Manichanh	Deputy Project Manager, Waterways Administration Unit, DPWT BKO
Target Area - Member	Mr. Deth Oudom Heuanmisavath	Technical Staff, Waterways Administration Unit, DPWT BKO
Target Area - Member	Mr. Kham Phong Thepkhamheuang	Deputy Project Manager, Waterways Administration Unit, DPWT BLM
Target Area - Member	Mr. Khamsene Phagaxay	Technical Staff, Waterways Administration Unit, DPWT BLM
Target Area - Member	Mr. Sombath Chareunphonh	Deputy Project Manager, Waterways Administration Unit, DPWT LPB
Target Area - Member	Mr. Nakasu Soumphonepakdy (until May 2012)	Technical Staff, Road and Bridge Unit, DPWT LPB
	Mr. Soukkasane Sisouphan (since May 2012)	Technical Staff, Waterways Administration Unit, DPWT LPB

Office space was made available to the Project by DoW in VTE, which is located not too far from MPWT. Air conditioning, desks and chairs were also provided to the Project. Similarly, utilities such as electricity and water used in the project office are provided by DoW. In addition, assistance in visa application for the experts is provided by DoW.

At provincial level, office space is provided to the Project in DPWT building in BKO. Desks, chairs, air conditioner, utilities are also provided by Lao side. Same, if not similar arrangements are made available to the other two pilot project provinces - BLM and LPB.

#### 4. Achievements and implementation process of the Project

The Project is carrying out the planned activities for the most part in order to achieve the following four outputs set at the time of project formation. The project's progress is highlighted below.

##### 4.1 Outputs

In terms of improvement of abilities of the project members from Lao side, some improvements are made at both central and provincial levels. Although the project members from Lao side are working closely and hard under guidance of the Japanese experts towards achievement of the expected outputs, further improvement is required.

Newly defined objectively verifiable indicators set for each output are shown in Table 6. In addition, the score based on the baseline survey and the result of assessment conducted at the



end of first year in the Project is shown in Table 6.

Table 6 Outputs - progress

Required Ability	Baseline (points)	First Year (points)	Target (points)	Progress
1. Participating attitude to the Project	20 (MPWT) 20 (DPWT)	25 (MPWT) 20 (DPWT)	75 (MPWT and DPWT levels)	Improving slightly at central level, and no change at provincial level
2. Basic knowledge on hydrology, hydraulics, and river engineering	17.5 (MPWT) 10 (DPWT)	22.5 (MPWT) 12.5 (DPWT)	75 (MPWT and DPWT levels)	Improving slightly at central and provincial levels
3. On-site practical abilities	10 (MPWT) 10 (DPWT)	25 (MPWT) 50 (DPWT)	75 (MPWT and DPWT levels)	Improving slightly at central, and significantly at provincial level
4. Ability in design	5 (MPWT) 10 (DPWT)	25 (MPWT) 25 (DPWT)	75 (MPWT and DPWT levels)	Improving slightly at central and provincial levels
5. Ability in river survey	10 (MPWT) 25 (DPWT)	50 (MPWT) 50 (DPWT)	75 (MPWT and DPWT levels)	Improving significantly at central level, and slightly at provincial level
6. Ability in monitoring	5 (MPWT) 0 (DPWT)	5 (MPWT) 0 (DPWT)	75 (MPWT and DPWT levels)	No change
7. Ability in maintenance	5 (MPWT) 5 (DPWT)	5 (MPWT) 5 (DPWT)	75 (MPWT and DPWT levels)	No change
8. Ability in construction supervision	47.5 (MPWT) 37.5 (DPWT)	N.A.	75 (MPWT and DPWT levels)	The baseline was identified in the second year of the project implementation.

Note: Significantly indicates increased by more than 40 points), fairly more than 20 and less than 40 points, slightly more than 5 less than 20 points.

In the required abilities, no change is found in abilities such as monitoring and maintenance. The Project is designed to introduce activities aiming to build capacity related to monitoring and maintenance at latter half of the project implementation. Hence, it is understandable that such abilities are not yet improved at the time of mid-term review.

In addition to the above mentioned progress of each output, there are additional significant achievements made by the Project. Although positive factors were found in the Project, there is a room for improvement for realizing the outputs as highlighted in Table 7.

The result of the second year based on the eight required ability as shown in Table 6 is under review by the project members from Japanese side at the time of mid-term review. According to the Team Leader from Japanese side, the result is expected to be improved when compared to the first year.

Table 7 Progress of the outputs – positive and negative factors

Positive Factor	Negative Factor
Output 1	
<ul style="list-style-type: none"> <li>The project members from Lao side at central level performed strong leadership for planning of the first pilot project.</li> <li>Coordination between the project members at central level and provincial level was smooth.</li> <li>The project members from BKO visited Japan through the training in Japan, and learned riverbank protection works taken in Japan.</li> <li>The project members from Lao side gained experience in regard to data collection and market research for cost estimation.</li> </ul>	<p>Travel expenses for the participants from Lao side to the two seminars were born by Japanese side. Meanwhile, accommodation and daily-allowance was made available by Lao side.</p>
Output 2	
<ul style="list-style-type: none"> <li>The project members from Lao side were able to prepare appropriate design of the riverbank protection works for BKO.</li> <li>The project members from Lao side performed the role of supervisor at construction site under the guidance of the Japanese experts.</li> <li>Appropriate riverbank protection measures were applied in the pilot area.</li> <li>By default, the project members who are in charge of the pilot project in BKO gained on-site experience owing to low performance of the contractor, which was selected in BKO.</li> </ul>	<ul style="list-style-type: none"> <li>Technical level of the contractor hired in BKO is low compared to the contractor in Vientiane. Moreover, the contractor did not fully follow instruction of the Project. Hence, the design prepared by the Project was not exactly realized.</li> <li>Construction work is temporarily put on hold. The estimated date of construction completion will be slightly delayed.</li> </ul>
Output 3	
<p>Monitoring of the riverbank protection works installed in Phase I was conducted. In the area such works are still installed, positive impact was found. Local community members are enjoying fishing along the protected riverbank.</p>	<p>Documentation such as a final construction report (draft version) prepared by the contractor is not yet made.</p>
Output 4	
<ul style="list-style-type: none"> <li>The Project disseminated basic information regarding low cost and environmentally friendly riverbank protection measures to all provinces.</li> <li>Various manuals are under development both in English and Lao language for wider dissemination purpose.</li> <li>Lecture on waterways was given at university in Vientiane.</li> <li>The contractor hired in BKO understood the purpose of low cost and environmentally friendly riverbank protection measures.</li> </ul>	<ul style="list-style-type: none"> <li>Travel expenses for the participants from Lao side to the two seminars were born by Japanese side.</li> <li>Other development partners such as the World Bank and Asian Development Bank were not fully aware of the Project. Both institutions play important roles in the field of development in Laos. Close collaboration and information sharing is found to be weak at the time of mid-term review.</li> </ul>

Based on the progress shown above, the achievement level of the outputs is fair. It is expected that the project members from Lao side achieve the target score (75 points) by the end of project period.

## 4.2 Project Purpose

Project purpose: The staff of the target group will be able to implement low cost and environmentally friendly protection measures against riverbank erosion.

The Project has not yet achieved the project purpose, which is acceptable to the Team since the Project has two more years until the project termination. According to the results of interviews conducted to the project members, DoW as well as DPWT at provincial level played important roles during project implementation to execute the project activities as planned. Similarly, the project members from Japanese sides provided adequate and timely assistance to the Project.

The Project is currently implementing the first pilot construction in BKO. Low-cost and environmentally friendly riverbank protection methods are applied to the design of the construction. The project members from Lao side are enhancing knowledge and know-how regarding riverbank protection methods through On-the-Job-Training (OJT) from the Japanese experts. The Project is preparing necessary manuals both in English and Lao language.

The following conditions will have to be met for increasing achievement level of the project purpose:

- Adequate funding and qualified staff members are allocated to DoW, in particular to Riverbank Protection and Flood Control Division and concerned DPWT provincial offices.
- All concerned ministries/departments/divisions at central and local (i.e., province, district, village cluster and village) levels cooperate for effective riverbank protection.

## 4.3 Overall Goal<sup>4</sup>

Overall goal: The other provincial DPWT staff, besides the target group, will be able to implement low cost and environmentally friendly protection measures against riverbank erosion.

Up to the time of mid-term review, the Project organized two seminars in VTE in 2011 and BKO in 2012. DPWT staff members from all provinces participated in the seminars. It can be said that the Project is contributing to wider dissemination of low-cost and environmentally friendly riverbank protection measures in Laos.

As long as the GOL will not make drastic changes to the current high priority given to riverbank

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<sup>4</sup> According to JICA, achievement level of the project's overall goal is assessed after three to five years from the time of project termination.



protection activities in the coming years, the project outputs are going to contribute to protect riverbanks effectively in Laos by applying methods introduced to Laos via the Project even after the project termination.

#### 4.4 Crosscutting implementation process

##### (1) Monitoring and decision making

Monitoring activities are part of the project plan. During the project implementation, the project members are reporting the project's progress to JICA and the JCC members by ways of meetings and reports.

In the Projects, JCC meeting is held at least once a year. The followings are the main functions of JCC:

- To approve the annual work plan formulated by the Project
- To review the overall progress and achievements of the Project and activities carried out in annual work plan(s) prepared in the Project
- To review and exchange opinions on any issues that may arise from or concerning the Project

During the mid-term review, the Team discussed with DMH and the Project for adding DMH as a JCC member. Both DMH and the Project agreed to the request. The main reason for requesting DMH to join the Project is to enhance cooperation mechanism in sharing data such as water level and discharge data of Mekong River. The planned and actual JCC members are shown in Table 8.

Table 8 List of JCC members – at the time of mid-term review

Position	R/D (July 2010)	Actual (May 2012)
Chairperson	Minister, MPWT	No change
Co-chairperson	Director General, Department of Planning and Cooperation, MPWT	No change
Co-chairperson	Director General, DoW, MPWT	No change
Co-chairperson	Chief Representative, JICA Laos Office	No change
Member – Lao side	Representative(s), Bank Protection and Flood Control Division, DoW, MPWT	No change
Member – Lao side	Representative(s), Planning and Disbursement Division, DoW, MPWT	No change
Member – Lao side	Deputy Director, Road and Bridget Unit, DPWT, BKO	Deputy Director (responsible for Waterways Administration Unit), DPWT, BKO
Member – Lao side	Head of Road and Bridge Unit, DPWT, LPB	Deputy Director (responsible for Waterways Administration Unit), DPWT, LPB

Member – Lao side	Director General, DPWT, BLM	No change
Member – Lao side	Representative(s), DPWT, VTE	No change
Member – Lao side	Representative(s), Department of International Cooperation, MPI	No change
New Member – Lao side	N.A.	Representative(s), Department of Meteorology and Hydrology, Water Resource and Environment Administration
Member – Lao side	Other official(s) mutually agreed upon	No change
Member – Japanese side	Japanese experts	No change
Member – Japanese side	Representative(s), JICA Laos Office	No change
Member – Japanese side	Other relevant person(s) mutually agreed upon	No change

Note: In the R/D, it is said that the members of the JCC may appoint their substitution to attend the JCC meeting(s).

Documentation in the course of the project implementation is important and necessary. According to the interviews to the project members, the Team found that documentation of lessons learned throughout the implementation process from planning, designing, construction and other steps are not documented – apart from project progress reports prepared by the Japanese experts for submission to JICA.

## (2) Communication

According to the experts and the project members from Lao side, there were no major problems regarding communication in the Project. At the same time, the project members from Lao side expressed the needs for English-skill enhancement. Although the purpose of the Project is not focused on English language enhancement, it is one of the important skills to be strengthened especially at central level to acquire new skills/technology. Most of literature available for riverbank protection is written in English. High level of English language skill is desirable for better understanding of materials and manuals developed in the Project. Similarly, intermediate level of English language skill is needed for effective communication among the project members because neither Japanese nor Lao language is spoken as the mutual language used in the Project. For effective transfer of knowledge/technology from Japanese side to Lao side in the remaining project period, placement of an interpreter (i.e. English-Lao) may be sought by the Project.

Based on the interviews to the World Bank and Asian Development Bank, it was found the persons in other development partners who are in charge of projects related to riverbank protection were not aware of the Project. It is important that other development partners recognize efforts made by JICA and DoW in the field of riverbank protection. Therefore, the Project is expected to enhance ways and/or frequency in information exchange/dissemination between the Project and other projects that have riverbank protection component.

**付属書－ 1 (c) 第 3 回 JCC (2013 年 5 月 10 日)**

## **The Project on Riverbank Protection Works Phase II**

### **The Joint Coordinating Committee**

**– For the Third Year –**

#### **Context:**

The Joint Coordinating Committee (JCC) will be organized and meet at least once a year and whenever necessity arises, in order to fulfill the following functions:

- (a) To approve the annual work plan formulated by the Project
- (b) To review the over all progress and achievements of the project and activities carried out under the above mentioned annual work plan
- (c) To review and exchange opinions on any issues that may arise from or concerning the Project

#### **Membership:**

- (a) Chairperson: Minister, MPWT
- (b) Co chairperson: Director General, Department of Planning and Cooperation, MPWT  
Director General, DoW, MPWT  
Chief Representative, JICA Laos Office
- (c) Lao Side: Representatives, Bank Protection and Flood Control Division, DoW, MPWT  
Representatives, Planning and Disbursement Division, DoW, MPWT  
Deputy Director, DPWT, Bokeo Province  
Head of Road and Bridge Unit, DPWT, Luangprabang Province  
Director General, DPWT, Bolikhamxay Province  
Representatives, DPWT, Vientiane Capital  
Representative, Department of International Cooperation, MPI  
Other officials mutually agreed upon
- (d) Japanese Side: Japanese Experts  
Representative, JICA Laos Office  
Other relevant personnel mutually agreed upon
- (e) Mid-term Joint Evaluation Team

Note: The members of the committee may appoint their substitution to attend the committee meeting.

**Date:** May 10, 2013 (Fri)

**Venue:** Conference Room of MPWT

**Agenda:**

<08:30 – 09:00> Registration

<09:00 – 09:10> Keynote Opening

Mr. Hounгла SENG MUANG, Project Director

<09:10 – 09:20> Greeting from JICA

Mr. Koichi TAKEI, Chief Representative of JICA Laos Office

<09:20 – 10:05> Explanation of Project Activity for the Third Year

Mr. Souksavanh THITHAVONG, Project Manager

<10:05 – 10:20> Coffee Break

<10:20 – 11:05> Explanation of Annual Work Plan for the Forth Year

Mr. Taketoshi MATSUNAGA, Chief Advisor of JICA Consultant Team

<11:05 – 11:50> Discussion

<11:50 – 12:00> Closing

Mr. Hounгла SENG MUANG, Project Director

**Expense:**

Conference Expenses: by Consultant Team

Transportation Fees from Province to Vientiane (based on MPWT's regulation):

by Consultant Team

Per Diem and Accommodation Fees (based on MPWT's regulation):

by MPWT

**PARTICIPANTS LIST**

AGENDA	THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II				
	The Joint Coordinating Committee Meeting (Third Year)				
DATE	May 10th, 2013				
PLACE	Ministry of Public Works and Transport, Vientiane				
NO.	NAME	ORGANIZATION	PROSITION/TITEL	TEL or E-MAIL	SIGNATURE
1	Mr. Houngla Sengmueng	DOW	Director General	22220435	
2	Mr. Koichi TAKEI	JICA	Chief Representative	020-5519632	
3	Noriyuki MORI	MPWT	JICA Expert	020-59328311	
4	Mayumi MIYATA	JICA	Representative	552-8340	
5	Ms. Manlatda CHANTHAVONG	JICA	APO	020-22492934	
6	Ikuo KAWABATA	NEWJEC	JICA Expert	020-55038062	
7	Yoshihiro MIWA	NEWTEC	"	020-58105962	
8	Hideki Otsuki	NEWJEC	"	020-59559968	
9	Taketoshi MATSUNAGA	NEWJEC	"	020-56703941	
10	Mr Fasaman Thammavong	DWTP	Director DWTP	020 55570260	
11	Mr Thone Chanthavong	DWTP	Deputy Director	020 92330245	
12	Mr Somboun KERTKONG	DPWT BOKEO	Dept. Director	020-22382228	
13	Mr. Khaon Seng Abp	Dow	Dept Head of Division	22215688	
14	Mr. Anongdeth Thetkaysone	DPC	Offrent.	28111125	
15	Mr. Anoulack KEOMANY	DIC, MRI	Officer	020-23333523	
16	Mr. Phoungent R.	DOW	Chief of Division	28258111	
17	Mr. Somclite SITHIPHONG	Rept. of PWT. VT	Chief of unit	020 55515096	
18	Mr. Souksavanh THITHAVON	Project Manager		020 22228805	
19	Mr. Phimmason Sengsalyavong	Dow.	C/P	020 22228820	
20	Ms. Lattiyakone Phomdouangsy	DOW	DOW	020 22255697	
21	Ms. Houkmany Vantanasy	DOW	C/P	020 23330112	
22					
23					
24					
25					



MINUTES OF MEETING  
OF  
THE THIRD JOINT COORDINATING COMMITTEE  
FOR  
THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II

AGREED UPON BETWEEN  
THE CONSULTANT TEAM ORGANIZED BY  
JAPAN INTERNATIONAL COOPERATION AGENCY  
AND  
THE DEPARTMENT OF WATERWAYS OF  
THE MINISTRY OF PUBLIC WORKS AND TRANSPORT OF  
THE GOVERNMENT OF LAO PEOPLE'S DEMOCRATIC REPUBLIC

The Consultant Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") visited Lao People's Democratic Republic (hereinafter referred to as "Lao P.D.R.") from November 24 to December 22, 2012 and January 6 to May 21, 2013 for the purpose of implementation of a series of activities for the third year regarding the Project on Riverbank Protection Works Phase II (hereinafter referred to as "the Project").

The result of project activities for the third year, annual work plan for the fourth year and other concerned issues were reported and discussed at the Joint Coordinating Committee (JCC) meeting for the Project in Vientiane on May 10, 2013.

As a result of the JCC meeting, the Team and the Department of Waterways, Ministry of Public Works and Transport (hereinafter referred to as "both sides") agreed as shown in the "Attached document".

Vientiane, May 10, 2013

Mr. Taketoshi MATSUNAGA  
Chief Advisor/ River Management,  
Consultant Team for the Project on  
Riverbank Protection Works Phase II



Mr. Souksavanh THITHAVONG  
Project Manager for Riverbank Protection  
Works Phase II

Witnessed by:



Mr. Koichi TAKEI  
Chief Representative  
JICA Laos Office

Witnessed by:



Mr. Houngla SENGMUANG  
Director General, Department of Waterways  
Ministry of Public Works and Transport

## ATTACHED DOCUMENT

### I. DISCUSSION POINTS

Discussion points were summarized by Mr. Hounгла SENG MUANG, Director General of Department of Waterways (DOW), Ministry of Public Works and Transport (MPWT) as the chairperson of JCC meeting as shown below.

1. JCC membership accepted the result of project activities for the third year.
2. JCC membership accepted the annual work plan for the fourth year.
3. JCC membership and attendance confirmed the following;
  - DOW and Department of Public Works and Transport (DPWT) of Bolikhamxay Province will ensure that the assigned three (3) counterparts (C/Ps) will supervise the pilot construction works at Pakthoay village in Bolikhamxay Province, so that they can receive technical transfer from the JICA experts. DOW and DPWT of Bolikhamxay Province also promised to instruct the contractor to recover the delay so far.
  - Five (5) trainees nominated to attend the “counterpart training in Japan (third batch)” are bound to be the project members as well as the supervisors for the up-coming pilot construction works at Souan Louang village in Luangprabang Province, in order to ensure the impact of the training and maximize the technical transfer. The trainees who participated in the training in Japan are advised to share their experience with the other DOW and provincial DPWT engineers.
  - The initial evaluation scores presented by the JICA expert team on the level of understanding defined in project design matrix (PDM) were confirmed by the JCC membership. The JCC membership encouraged more active engagement in the project activities so that the scores reach the target of 75 points, by the end of the project.
4. Other concerned issues discussed at the JCC meeting were summarized as follows:
  - (1) Director General of DOW assured that Lao side will make more efforts for allocating the budget for riverbank protection works with using traditional method such as Soda Mattress.
  - (2) JCC membership confirmed that Lao side will improve visa-application process more smoothly for Japanese experts with collaboration from Ministry of Planning and Investment (MPI).

### Annex I LIST OF ATTENDANCE



## Annex I LIST OF ATTENDANCE

### Ministry of Public Works and Transport (MPWT)

#### Department of Waterways (DOW)

1. Mr. Hounгла SENG MUANG, Director General
2. Mr. Phoumyenh KHOUNTHIKOUMMANE, Chief of Division, Budget and Planning Division
3. Mr. KhamSeng ALY, Deputy Chief of Division, Bank Protection and Flood Control Division
4. Ms. Lattiyakone PHOMDUANGSY, Officer, Bank Protection and Flood Control Division

#### Department of Planning and Cooperation

1. Mr. Anongdath PHETKAYSONE, Officer

#### Cabinet Office

1. Mr. Noriyuki MORI, JICA Expert/ Planning Advisor to Cabinet Office

### Ministry of Planning and Investment

1. Mr. Anoulack KEOMANY, Officer, Department of International Cooperation

### Department of Public Works and Transport (DPWT)

1. Mr. Somboun KERTKONG, Deputy Director General, DPWT Bokeo Province
2. Mr. Thone CHAMTHAMINAVONG, Deputy Director General, DPWT Bolikhamxay Province
3. Mr. Fasanane THAMMAVONG, Director General, DPWT Luangprabang Province
4. Mr. Somchith SITHIPHONG, Chief of Unit, DPWT Vientiane Capital

### Counterpart Officials

1. Mr. Souksavanh THITHAVONG, Project Manager, DOW, MPWT
2. Mr. Phimmason SENG SOURIYAVONG, Technical Staff, DOW, MPWT
3. Ms. Moukmany VANNASY, Secretary/ Technical Staff, DOW, MPWT

### JICA Laos Office

1. Mr. Koichi TAKEI, Chief Representative
2. Ms. Mayumi MIYATA, Representative
3. Ms. Monlatda CHANTHAVONG, Assistant Program Officer

### The Consultant Team

1. Mr. Taketoshi MATSUNAGA, Chief Advisor/ River Management
2. Dr. Hideki OTSUKI, Vice Chief Advisor/ River Management
3. Mr. Yoshihiro MIWA, River Engineering/ Riverbank Protection Planning & Design/  
Topographical Survey
4. Ms. Ikuko KAWABATA, River Vegetation Works/ Maintenance

付属書－ 1 (d) 第 4 回 JCC (2014 年 5 月 21 日)

MINUTES OF MEETING  
OF  
THE FOURTH JOINT COORDINATING COMMITTEE  
FOR  
THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II

The Project on Riverbank Protection Works Phase II (hereinafter referred to as “the Project”) has been implemented from November 2010 to August 2014 by the Consultant Team (hereinafter referred to as “the Team”) organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”). Purpose of the Project is to enhance ability of the officials of Ministry of Public Works and Transportation (hereinafter referred to as “MPWT”) and Public Works and Transport Departments (hereinafter referred to as “DPWT”) of local province.

The Joint Coordinating Committee (hereinafter referred to as “JCC”) for the fourth year was hold at Conference Room No. 02 of MPWT on 21/05/2014 in order to fulfil the following functions;

- i. To approve the annual work plan formulated by the Project
- ii. To review the overall progress and achievements of the project and activities carried out under the above mentioned annual work plan
- iii. To review and exchange opinions on any issues that may arise from or concerning the Project

As a result of the JCC meeting, the Team and the Department of Waterways of MPWT agreed the discussion as shown in Appendix-1.

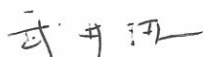
Appendix-1	Discussion on JCC
Appendix-2	Agenda of the JCC
Appendix-3	Participants List

Vientiane, May 21, 2014



Mr. Taketoshi MATSUNAGA  
Chief Advisor/ River Management,  
Consultant Team for the Project on  
Riverbank Protection Works Phase II

Witnessed by:



Mr. Koichi TAKEI  
Chief Representative  
JICA Laos Office



Mr. Souksavanh THITHAVONG  
Project Manager for Riverbank Protection  
Works Phase II

Witnessed by:



Mr. Houlga SENGMUANG  
Director General, Department of Waterways  
Ministry of Public Works and Transport

Appendix-1 Discussion on Joint Coordination Committee

I. DISCUSSION POINTS

Discussion points were summarized by Mr. Houngla SENGMUANG, Director General (DG) of Department of Waterways (DoW), Ministry of Public Works and Transport (MPWT) as the chairperson of Joint Coordination Committee (JCC) meeting as shown below.

1. JCC membership accepted the result of project activities for the fourth year including the preliminary figures of terminal evaluation scores presented by the JICA expert team on the level of understanding defined in project design matrix (PDM).
2. JCC membership accepted the result of evaluation prepared by the Terminal Joint Evaluation Team.
3. Recommendations from Terminal Joint Evaluation Team and responses from Lao side were confirmed as shown below:

No.	Recommendations from Terminal Joint Evaluation Team	Responses from Lao side
1	To ensure the manual with appendices in Lao language to be completed and distributed to potential users.	Lao side also understand the necessity for translation of manuals in Lao language. Translation will be implemented by the completion of this Project. Manuals will be distributed to concerned organization. MPWT hopes to receive the financial support from JICA for the publication of manuals.
2	To produce promotional materials (leaflet and DVD) based on the three pilot projects that shows the cost-effectiveness and environmentally-friendliness as well as the pictures showing before and after the Projects to mainstream the Soda method.	Promotion materials are very important to expand this method. MPWT will prepare materials. Promotional activities such as the upload of the video to MPWT website can be considered.
3	To ensure that all the C/P officials from Public Works and Transportation Department of local governments (DPWT) should retain in the same unit.	C/P officials of both DoW, MPWT and provincial DPWTs will retain in the same unit.
4	To take strong initiative to implement projects with the Soda method including the planned extension works at Paoy site in Bokeo. Also Lao side should identify priority sites for riverbank protection in other provinces and make proposals and plans.	Extension of riverbank protection works at Paoy site is planned to be implemented. Lao side is willing to expand the riverbank protection projects in other provinces.
5	To create a market for riverbank protection using the Soda method by setting a qualification (e.g., the number of Soda specialists) required of the contractors for bidding.	Although there are few contractors who can implement the Soda method, it is expected to be developed with nationwide expansion.
6	(DPWT) To earmark a budget for monitoring and maintenance of the three pilot sites after the end of the project period.	It is important for Lao side to allocate necessary budget to implement the appropriate monitoring and maintenance sustainably. Budget for the monitoring and maintenance will be allocated in three pilot sites.
7	To make efforts to conduct a training course on environmentally-friendly and cost effective methods as part of the regular training program of MPWT.	Using manuals, instruction of these methods will be involved in the training program of MPWT.

4. Other important discussions were the following;
- Chief Representative of JICA Laos office asked if Government of Lao P.D.R (GOL) set high priority on the riverbank protection measures with using Japanese traditional construction methods which are environmentally-friendly and cost effective. DG of DoW confirmed its priority and ensured to disseminate this method across the whole country. DG of DoW requested JICA to consider further cost sharing projects (e. g., Lao side: 70%, Japanese side: 30%) in future. DG of DoW also requested JICA for further training in the fields of river engineering because most of officials in DoW, MPWT and provincial DPWTs are road engineers.
  - Chief Representative of JICA Laos office also asked if translation of manuals into Lao language would be done by C/P officials. DG of DoW responded that translation and finalization of manuals would be a good practice for C/P officials to understand riverbank protection methods. DG also expressed that Lao side would like to receive suggestion and/or comments from professors of National University of Laos (NUOL) after C/P officials completed manual translation. Manuals are expected to be utilized for training materials of MPWT, provincial DPWTs and educational institutions such as NUOL.
  - DG of DoW informed that the MPWT will make public announcement of the project activities in the three pilot sites on the MPWT's bulletin board and plan to broadcast on the Lao TV program. DG also informed that MPWT is planning to conduct the training program on Soda Mattress in the Public Works and Transport Training Center (PTTC)
  - Chief Representative of JICA Laos office requested MPWT to make sure that all the remaining payment by Lao side to the Contractor should be duly made by Lao side. DG, DoW replied that application for the payment prepared by DoW, MPWT had been already submitted and approved by the National Assembly and just waiting for the disbursement to the Contractor by Ministry of Finance.
  - C/P officials of DPWT Bokeo Province asked if local damage on slope protection works at Paoy site had been caused by steep slope angle of protection works. Chief Advisor of JICA expert team replied that possible cause of local damage was insufficient penetration depth of short piles and designed slope angle (1:1.8) would not induce local damage.
  - C/P officials of DPWT Bokeo Province also asked if Soda Mattress would be combined with slope protection works by modern method such as concrete revetment. Chief Advisor of JICA expert team replied with a yes and encouraged to install foot protection works beneath slope protection works by modern methods as well as traditional one. Chief Advisor of JICA expert team also complemented that lack of foot protection works leads to collapse or damage of slope protection works caused by local scouring.



## The Project on Riverbank Protection Works Phase II

### The Joint Coordinating Committee

– For the Fourth Year –

#### Context:

The Joint Coordinating Committee (JCC) will be organized and meet at least once a year and whenever necessity arises, in order to fulfill the following functions;

- (a) To approve the annual work plan formulated by the Project
- (b) To review the overall progress and achievements of the project and activities carried out under the above mentioned annual work plan
- (c) To review and exchange opinions on any issues that may arise from or concerning the Project

Fourth JCC meeting will be held in association with the terminal joint evaluation mission

#### Membership:

- (a) Chairperson: Minister, MPWT
- (b) Co chairperson: Director General, Department of Planning and Cooperation, MPWT  
Director General, DoW, MPWT  
Chief Representative, JICA Laos Office
- (c) Lao Side: Representatives, Bank Protection and Flood Control Division, DoW, MPWT  
Representatives, Planning and Disbursement Division, DoW, MPWT  
Deputy Director, DPWT, Bokeo Province  
Head of Road and Bridge Unit, DPWT, Luangprabang Province  
Director General, DPWT, Bolikhamxay Province  
Representatives, DPWT, Vientiane Capital  
Representative, Department of International Cooperation, MPI  
Other officials mutually agreed upon
- (d) Japanese Side: Japanese Experts  
Representative, JICA Laos Office  
Other relevant personnel mutually agreed upon
- (e) Terminal Joint Evaluation Team

Note: The members of the committee may appoint their substitution to attend the committee meeting.

**Date:** May 21, 2014 (Wed)

**Venue:** Conference Room No. 02 of MPWT

**Agenda:**

- <09:00 – 09:30> Registration
- <09:30 – 09:40> Keynote Opening  
Mr. Hounгла SENG MUANG, Director General of DoW, MPWT  
Project Director of Phase II
- <09:40 – 09:50> Greeting from JICA  
Mr. Koichi TAKEI, Chief of Representative JICA Laos Office
- <09:50 – 10:25> Explanation of Four-year Project Activity  
Mr. Souksavanh THITHAVONG, Project Manager
- <10:25 – 10:45> Explanation on Pilot Construction at Souangluang Site  
in Luangprabang Province  
Mr. Phimmasone SENG SOURIYAVONG, DoW, MPWT
- <10:45 – 11:00> Coffee Break
- <11:00 – 11:30> Explanation of Evaluation on Comprehension Level of C/P Officials  
Mr. Taketoshi MATSUNAGA, Chief Advisor of JICA Consultant Team
- <11:30 – 12:30> Explanation of Terminal Evaluation Team Report  
Terminal Joint Evaluation Team
- <12:30 – 13:45> Lunch
- <13:45 – 14:45> Discussion
- <14:45 – 15:00> Coffee Break
- <15:00 – 15:20> Conclusion of Minutes of Meeting
- <15:20 – 15:30> Closing  
Mr. Hounгла SENG MUANG, Director General of DoW, MPWT  
Project Director of Phase II

**Expense:**

- Conference Expenses: by Consultant Team
- Lunch: by Consultant Team
- Transportation Fees from Province to Vientiane (based on MPWT's regulation):  
by Consultant Team
- Per Diem and Accommodation Fees (based on MPWT's regulation):  
by MPWT

**PARTICIPANTS LIST**

AGENDA	THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II				
	The Joint Coordinating Committee Meeting (The Fourth Year)				
DATE	21 May.2014				
PLACE	Ministry of Public Works and Transport, Vientiane				
NO.	NAME	ORGANIZATION	PROSITION/TITEL	TEL or E-MAIL	SIGNATURE
1	Mr. Moungka Sangmuang	DOW	DG	56113505	
2	Mr. Phone Say SOULTYAVONG	DPWT	VF	22086161	
3	Mr. Khammouath Somchitvongsa.	DPWT	VT	22222519.	
4	Mr. Phoumyen KHAUNTHIKOUNTHAN	DOW	Chief of DIVISION	28258111	
5	Mr. Kham Sene Phayaxay	DPWT	C/P	22332466	
6	Mr. Khamphong THEP KHAMHEUNG	DPWT/BKX	Deputy Project	22332279	
7	Mr. Soukhasanh SISOUPHANH.	DPWT / L.P.B	Seniorier.	55670617	
8	Mr Thatsaphone MANIPHONH	DPC	Technical	22203387	
9	Mr Dehdoudom HEUAN MISA VATH	DPWT. BOKRO	Engineer	55483500	
10	Mr oudone PATTSA LATH		deputy director	22383353	
11	Mr Boun Khong Souk SAVATH	DPWT L.P.B	Deputy Director.	55570773	
12	Mr Somock MANICHANH	DPWT BOKRO	Deputy waterway	22384687	
13	Mr Sombath Chaleunphonh.	DPWT L.P.B	Head waterway	22538872	
14	Dr. Hideki Otsuki	Consultant Team	Vice chief Advisor	59557768	Hideki Otsuki
15	Mr. Taketoshi MATSUNAGA	JICA Expert / NEWJEC	Chief Advisor	56703941	
16	Mr. Noriyuki MORI	JICA Expert of MPWT.		020-59728311.	
17	Koichi TAKEI	CR, JICA	Chief Represen		
18	Akiko Kishine	<del>Project</del> JICA	Project Formulation Advisor		
19	Yukihiko EJIRI	JICA HDAs	Team leader Terminal Eval Team		
20	MASAHITO MIYAGAWA	JICA HQ	TERMINAL EVAL. TEAM		

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Appendix-3

## PARTICIPANTS LIST

AGENDA	THE PROJECT ON RIVERBANK PROTECTION WORKS PHASE II The Joint Coordinating Committee Meeting (the Fourth Year)				
DATE	21 May.2014				
PLACE	Ministry of Public Works and Transport, Vientiane				
NO.	NAME	ORGANIZATION	PROSITION/TITEL	TEL or E-MAIL	SIGNATURE
21	Kaneyasu Ida	JICA <del>Consultant</del>	Consultant	55516866	#10
22	Soukavanh THATHAVONG	DOW	Project Manager	2222 8805	S. Soukavanh
25	Monlatda CHANTHAVONG	JICA Laos	Assistant Program	2249 2934	M. Chanthavong
26	Mr. Khamsong Aly	DOW	Depart. K4 B	22215688	K. Aly
27	Sho SHIBATA	NEWJEC	Project Coordinator	shibatasu@newjec.co.jp	S. Shibata
28	Yoshihiro MIWA	JICA	PE	5810 5962	Y. Miwa
29	Tsutomu KAMEYAMA	JICA	JICA Expert	5983-2491	T. Kameyama
30	Khampheng LEEFHONG	DOW	C/P	96251266	K. LeeFHONG
31	Mr. Phimmason Seng Souvivanh	DOW	CP	2222 8820	P. Seng Souvivanh
32	MS. MOUKMANY VANVASY	DOW	CP	23330112	M. Vanvasy
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