



Regional: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)

Project Name	Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)																				
Project Number	40190-023																				
Country	Regional																				
Project Status	Active																				
Project Type / Modality of Assistance	Grant Loan																				
Source of Funding / Amount	<table border="1"><tr><td colspan="2">Grant 0316-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)</td></tr><tr><td>concessional ordinary capital resources lending / Asian Development Fund</td><td>US\$ 12.50 million</td></tr><tr><td colspan="2">Grant 0317-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)</td></tr><tr><td>Government of Australia</td><td>US\$ 5.89 million</td></tr><tr><td colspan="2">Loan 2936-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)</td></tr><tr><td>concessional ordinary capital resources lending / Asian Development Fund</td><td>US\$ 24.00 million</td></tr><tr><td colspan="2">Loan 2937-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)</td></tr><tr><td>concessional ordinary capital resources lending / Asian Development Fund</td><td>US\$ 45.00 million</td></tr><tr><td colspan="2">Grant 0483-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project - Additional Financing</td></tr><tr><td>Integrated Disaster Risk Management Fund</td><td>US\$ 1.80 million</td></tr></table>	Grant 0316-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)		concessional ordinary capital resources lending / Asian Development Fund	US\$ 12.50 million	Grant 0317-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)		Government of Australia	US\$ 5.89 million	Loan 2936-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)		concessional ordinary capital resources lending / Asian Development Fund	US\$ 24.00 million	Loan 2937-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project (LAO/VIE)		concessional ordinary capital resources lending / Asian Development Fund	US\$ 45.00 million	Grant 0483-REG: Greater Mekong Subregion Flood and Drought Risk Management and Mitigation Project - Additional Financing		Integrated Disaster Risk Management Fund	US\$ 1.80 million
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Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration																				
Drivers of Change	Partnerships																				
Sector / Subsector	Agriculture, natural resources and rural development - Agricultural drainage - Irrigation - Rural flood protection - Water-based natural resources management																				
Gender Equity and Mainstreaming	Effective gender mainstreaming																				
Description	The impact of the Project will be reduced economic losses resulting from floods and droughts. The outcome will be improved capacities and preparedness to manage and mitigate the impacts of flood and drought events. The Project will have four key outputs: (i) Enhanced regional data, information, and knowledge base for the management of floods and droughts; (ii) Upgraded water management infrastructure; (iii) Enhanced capacity for community-based disaster risk management; and (iv) Effective project implementation.																				

Project Rationale and Linkage to Country/Regional Strategy	<p>The Mekong River stretches through the People's Republic of China, Myanmar, the Lao PDR, Thailand, Cambodia, and Viet Nam with a total land area of 795,000 square kilometers (km²). The Lower Mekong Basin (LMB) is home to about 60 million people in Cambodia, the Lao PDR, Thailand, and Viet Nam. The Mekong River stands apart because of the large fluctuations in seasonal discharge - very low flows in the dry season yet extensive flooding in the wet season. River flow is largely unaffected by water control structures and follows the seasonal hydrological cycle.</p> <p>Countries in the LMB have varying levels of capacity to prepare for and manage flood- and drought-related disasters. Actions are mostly reactive, rather than proactive, and are uncoordinated. Better flood and drought disaster preparedness requires (i) knowledge availability and sharing of potential changes to the spatial and temporal distribution of climate and hydrological variables over the basin as a whole; (ii) capacity for timely flood and drought forecasting and dissemination of warnings to communities at risk; (iii) engagement of at-risk communities in the identification, analysis, treatment, monitoring, and evaluation of disaster risks in order to reduce their vulnerabilities and enhance their coping capacities; and (iv) improved condition of water control infrastructure.</p> <p>The Project is aligned with the relevant policies, strategies, and programs such as the following: (i) Lao PDR: Disaster Management Action Frameworks, 2003_2020; and the (ii) Viet Nam: National Strategy for Natural Disaster Prevention, Response and Mitigation approved by the Prime Minister in 2007 (Decision No. 172/2007), National Targeted Program to Respond to Climate Change, Strategic Direction of Water Resources Development (to 2020 and toward 2050), the Mekong Delta Master Plan.</p> <p>The Project is aligned with ADB's Water Operational Plan, 2011_2020, which identifies flood and drought mitigation (as part of disaster risk management) as one of the two urgent challenges to be addressed in the integrated water resource management process. The Project is also aligned with the ADB's Disaster and Emergency Assistance Policy (2004) as it will support the governments and local communities to identify and manage risks from natural hazards.</p>
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Impact	Reduced economic losses resulting from flood and drought
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Project Outcome

Description of Outcome	Improved capacity and preparedness to manage and mitigate the impacts of flood and drought events
Progress Toward Outcome	Viet Nam: All four civil works contracts have been awarded as of 31/12/2016. Physical progress of packages 2.6 and 2.8 is 92% and 60% respectively. Other two contracts commenced in January 2017.

Implementation Progress

Description of Project Outputs	<p>Enhanced regional data, information, and knowledge base for the management of floods and droughts</p> <p>Upgraded water management infrastructure</p> <p>Enhanced capacity for CBDRM</p> <p>Effective project implementation</p>
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Status of Implementation Progress (Outputs, Activities, and Issues)

Lao PDR: NPCO and IA offices were established as planned with full equipped. All consultants were recruited and mobilized as planned. PPMS has established and operated in Q1, 2016. Viet Nam: The project implementation consultant (a consortium of international and national firms) was mobilized in May 2014.

Lao PDR: EA and ADB are working closely toward timely award of contracts and submission of withdrawal applications.

Viet Nam: Contract awards for all ICB civil works package have been done as scheduled.

Lao PDR: All activities are on track with respect to the latest implementation plan.

Viet Nam: Highly likely

Lao PDR: Gender awareness trainings will be conducted during the course of project implementation.

Viet Nam: The gender action plan implementation is on track.

The contracts for the supply of hydro-meteorological equipment was signed on 18 July 2016 and the four contracts for the construction of the hydro-meteorological stations were signed in June 2016.

Terms of reference for consultancy inputs to be financed from the IDRM fund has been prepared and finalized. Recruitment action is being initiated. Consultant mobilization is targeted for January 2017.

Same as above

The package for the Rehabilitation of Vientiane Flood Protection Embankment was awarded on 7 April 2016 and the contractors mobilized in May 2016.

as of 31 December 2016 the progress is estimated at 2.9%

This is being ensured during the procurement process.

Not yet due.

All four civil works contracts awarded The target will be achieved at completion of works.

The bidding documents for civil works include provision to require contractors to prioritize recruiting female unskilled local laborers among local workers. ADB noted during field visits that the poor and female community people in the project resettlement areas expressed their interest in the civil work employment opportunities under the Project.

O&M Plans are being prepared and will be finalized before completion of works for each package.

Same as above

The consultants to support CBDRM mobilized in November 2015. CBDRM community groups have been established in 18 villages. The Midterm Review Mission, scheduled in November 2016, will further review findings of number of target communes under the project. The progress as of December 2016 was 33%.

Terms of reference for consultancy inputs to be financed from the IDRM fund has been prepared and finalized. Recruitment action is being initiated. Consultant mobilization is targeted by January 2018.

Geographical Location

Safeguard Categories

Environment	B
Involuntary Resettlement	A
Indigenous Peoples	C

Summary of Environmental and Social Aspects

Environmental Aspects	<p>All identified adverse impacts resulting from the location, design, construction, and operation of the water management infrastructure are expected to be small to moderate and can be mitigated by adoption of specific measures. Special environment-related assurances are prepared to mitigate any project impact on adjacent wetlands.</p> <p>For Lao, the initial environment examination reports of the subprojects have been updated and cleared by ADB. For VIE project environment management plans (EMPs) of the subprojects are approved and included in the civil works contracts to implement the mitigation measures.</p> <p>For Viet nam, Environmental Management Plans (EMPs) of all four civil works packages were approved. Independent/external monitoring reports were submitted. However deficiencies were noted on the implementation, and strict monitoring of its implementation by the PIC and supervision consultants is advised.</p>
Involuntary Resettlement	<p>Resettlement plans (RP), prepared during PPTA, were endorsed by the government and disclosed on the ADB's website. The RPs have been updated for each civil works package after completing detailed engineering designs.</p> <p>For the LAO project, the updated resettlement plans for the two subprojects have been cleared by ADB. For the Viet Nam, resettlement plans (RPs) for 2 awarded packages 2.6 and 2.8 were approved by ADB and are being implemented. RPs of packages 2.7 and 2.9 are being implemented. RP of package 2.9 has been split in three sub-RPs because it includes 3 separate canals. One of the three has been approved and being implemented.</p>
Indigenous Peoples	<p>No indigenous people maintaining distinct cultural identities or separate cultural traditions was found to reside in the project areas.</p>

Stakeholder Communication, Participation, and Consultation

During Project Design	Stakeholder consultations were conducted during the Project preparation, including during resettlement plan preparations and socio economic surveys in all areas covered by the Project
During Project Implementation	Consultation and participatory design of interventions is in process. Consultations are ongoing with the farmers and affected people during the implementation of the resettlement plan. For Lao, a series of meetings with district governors, PIOs, NPCO were held for the development of the CBDRM workplan. CBDRM community groups have been established and 40 group facilitators have been selected. Training for the CBDRM community groups is ongoing.

Business Opportunities

Consulting Services	The consultants have been recruited according to ADB's Guidelines on the Use of Consultants. The Project requires a number of consulting services to assist the executing agencies and implementing agencies with: (i) project implementation support; (ii) preparation of subprojects; (iii) strengthening of the NEWC; (iv) external safeguard monitoring; (v) implementation of CBDRM; and (vi) audit of project accounts. The outputs and deliverables from all consulting services shall be in accordance with the Government policies, and in support of the provincial development strategies and the needs of the beneficiaries.
Procurement	All procurement of goods and works are being undertaken in accordance with ADB's Procurement Guidelines (2010), as amended from time to time.

Responsible Staff

Responsible ADB Officer	Ho, Phong Le
Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Viet Nam Resident Mission
Executing Agencies	<i>Ministry of Agriculture and Forestry DIDMONPD@LAOTEL.COM Department of Livestock and Fisheries Ministry of Agriculture and Forestry</i>

Timetable

Concept Clearance	07 Mar 2011
Fact Finding	31 Mar 2011 to 08 Apr 2011
MRM	06 Jul 2012
Approval	06 Nov 2012
Last Review Mission	-
Last PDS Update	15 Mar 2017

Grant 0316-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
06 Nov 2012	04 Dec 2012	22 Mar 2013	30 Sep 2019	-	-

Financing Plan			Grant Utilization			
	Total (Amount in US\$ million)		Date	ADB	Others	Net Percentage
Project Cost	13.09		Cumulative Contract Awards			
ADB	12.50	06 Nov 2012	9.17	0.00		73%
Counterpart	0.59		Cumulative Disbursements			
Cofinancing	0.00	06 Nov 2012	6.67	0.00		53%

Grant 0317-REG

Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
06 Nov 2012	21 Dec 2012	10 May 2013	30 Sep 2019	-	-

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	19.36	Cumulative Contract Awards			
ADB	0.00	06 Nov 2012	0.00	0.91	100%
Counterpart	13.47	Cumulative Disbursements			
Cofinancing	5.89	06 Nov 2012	0.00	0.07	8%

Grant 0483-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
15 Jan 2016	-	-	30 Sep 2019	-	-

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	1.80	Cumulative Contract Awards			
ADB	0.00	15 Jan 2016	0.00	0.00	0%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	1.80	15 Jan 2016	0.00	0.00	0%

Loan 2936-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
06 Nov 2012	04 Dec 2012	22 Mar 2013	30 Sep 2019	-	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	24.00	Cumulative Contract Awards			
ADB	24.00	06 Nov 2012	19.75	0.00	89%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	06 Nov 2012	9.00	0.00	41%

Loan 2937-REG

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
06 Nov 2012	21 Dec 2012	10 May 2013	30 Sep 2019	-	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	45.00	Cumulative Contract Awards			
ADB	45.00	06 Nov 2012	32.06	0.00	78%

Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	06 Nov 2012	18.30	0.00	44%

Project Page <https://www.adb.org/projects/40190-023/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=40190-023>

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