



Cambodia: Flood Damage Emergency Reconstruction Project

Project Name	Flood Damage Emergency Reconstruction Project																
Project Number	46009-001																
Country	Cambodia																
Project Status	Active																
Project Type / Modality of Assistance	Grant Loan																
Source of Funding / Amount	<table border="1"> <tr> <td colspan="2">Grant 0285-CAM: Flood Damage Emergency Reconstruction Project</td> </tr> <tr> <td>Government of Australia</td> <td>US\$ 5.25 million</td> </tr> <tr> <td colspan="2">Loan 2852-CAM: Flood Damage Emergency Reconstruction Project</td> </tr> <tr> <td>Concessional ordinary capital resources / Asian Development Fund</td> <td>US\$ 55.00 million</td> </tr> <tr> <td colspan="2">Grant 0285-CAM: Flood Damage Emergency Reconstruction Project (Additional Financing)</td> </tr> <tr> <td>Government of Australia</td> <td>US\$ 6.68 million</td> </tr> <tr> <td colspan="2">Loan 3125-CAM: Flood Damage Emergency Reconstruction Project (Additional Financing)</td> </tr> <tr> <td>Concessional ordinary capital resources / Asian Development Fund</td> <td>US\$ 75.00 million</td> </tr> </table>	Grant 0285-CAM: Flood Damage Emergency Reconstruction Project		Government of Australia	US\$ 5.25 million	Loan 2852-CAM: Flood Damage Emergency Reconstruction Project		Concessional ordinary capital resources / Asian Development Fund	US\$ 55.00 million	Grant 0285-CAM: Flood Damage Emergency Reconstruction Project (Additional Financing)		Government of Australia	US\$ 6.68 million	Loan 3125-CAM: Flood Damage Emergency Reconstruction Project (Additional Financing)		Concessional ordinary capital resources / Asian Development Fund	US\$ 75.00 million
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Strategic Agendas	Environmentally sustainable growth Inclusive economic growth																
Drivers of Change	Partnerships																
Sector / Subsector	Agriculture, natural resources and rural development - Irrigation - Rural water policy, institutional and capacity development Transport - Road transport (non-urban)																
Gender Equity and Mainstreaming	Some gender elements																
Description	The project will rehabilitate infrastructure (national, provincial, and rural roads and irrigation facilities) damaged by the 2011 flood to be implemented from April 2012 to March 2015.																
Project Rationale and Linkage to Country/Regional Strategy	ADB received high level request from the Royal Government of Cambodia to provide emergency assistance to rehabilitate flood damaged infrastructure.																
Impact	Current Project Economic and social recovery from the 2011 floods in project provinces Overall project Economic and social recovery from the 2011 and 2013 floods in the project provinces accelerated																

Project Outcome

Description of Outcome	Current Project Restoration of critical public and social infrastructure assets to their original standards or better Overall project Reconstruction of critical infrastructure to restore livelihoods and access and protect against future flooding
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Progress Toward Outcome

Current Project:

Output 1: National and Provincial Roads Restoration. All ten contracts have been completed. These include the reconstruction of 2.8 km of detour road/dyke in Prey Veng, 8.5 km of provincial road (PR) 270 in Kampong Cham; 8.1 km of PR 270; 34.4 km of PR 159 in Banteay Meanchey; and reconstruction of 14 bridges.

Output 2: Rural Roads Restoration. All five Stage 2 contracts for the reconstruction of 275.2 km of rural roads have been completed. All five Stage 3 contracts, which provide laterite surfacing of 175.9 km of rural roads and rehabilitation of 165 structures have also been completed.

Output 3: Irrigation and Flood Control. All twenty subprojects have been completed. Together, all subprojects are capable of irrigating 25,371 ha, equivalent to 101% of the targeted irrigated areas of 25,000 ha.

Additional Financing:

The Project is on track and continues to make a very good progress with a total of 49 contracts (40 civil works, 4 consulting services, and 5 equipment contracts) have been awarded for a total values of \$70.79 million, which accounts for 98% for the allocated fund. Two additional civil work packages, MOWRAM-CW12 and CW13 have been added and construction work is under progress. All Stage 2 civil works have been completed. Under Stage 3, all 26 civil works packages have been awarded and overall civil works are almost completed.

-Output1: National and Provincial Roads Rehabilitated. All three Stage 2 contracts have been completed. The seven contracts under stage 3 have been awarded. Three contracts have been completed while the remaining 4 contracts are almost completed. The overall progress of the construction works is estimated at 80%.

-Output 2: Rural Road Rehabilitated. Four stage 2 contracts that habilitated 114.7 km of laterite road and structures have been completed well ahead of schedule and defect liability certificate have been issued. For stage 3, eight contracts for the construction of 141.90 km of rural roads have been completed.

-Output 3: Irrigation and Flood Management. Seven subprojects under state 2 have been completed and defect liability period was lapsed. Stage 3 civil works consist of 10 subprojects plus a contract of construction of FWUC buildings and 1 package of Automatic Weather Stations (AWS) and hydromet installation. All contract packages have been awarded since June 2016. The installation of AWS and hydromet and the construction of FWUC building have been completed. Works of nine subprojects have been completed except CW13 which is ongoing. Together, Stage 2 and Stage 3 subprojects will be capable of irrigating 70,394 ha. which are equivalent to about 188% of the targeted irrigated areas.

Implementation Progress

Description of Project
Outputs

Output 1: Current project: National and provincial roads damaged by floods (including bridges and culverts) rehabilitated and reconstructed
Output 2: Current project: Rural roads damaged by floods (including bridges and culverts) rehabilitated and reconstructed
Output 3: Current project: Irrigation facilities rehabilitated and reconstructed
Output 4: Current project: Project managed and monitored efficiently
Output 1: Overall project: unchanged
Output 2: Overall project: unchanged
Output 3: Overall project: Irrigation facilities rehabilitated and flood management improved
Output4: Overall project: unchanged

Status of Implementation Progress (Outputs, Activities, and Issues)

All subprojects under the FDERP were completed., Under the FDERP- Additional Financing, all three Stage 2 contracts have been completed. The seven contracts under stage 3 have been awarded. Three contracts (MPWT-CW13,CW15, and CW16) have been completed while the remaining contracts (CW9a, CW10b, CW10c, CW14) are expected to complete by June 2017. The overall progress of the construction works under stage 3 is estimated at 80%.
The construction of 5 bridges under FDERP was completed. Under FDERP-AF, all 4 bridges are completed.
2.8 km of DBST detour road/dyke in Prey Veng and 8.5 km of PR270 in Kampong Cham completed; 8.1 km of PR 270 paved with DBST completed; 34.4 km of PR 159 in Banteay Meanchey province completed in July 2015.
In Stage 2, reconstruction of bridge in Prey Veng, reconstruction of Baray Lex Bridge at Km 88 on NR 11, and reconstruction of Koh Roka bridge in Kampong Cham completed. In Stage 3, 5 bridges along National Road (NR) 11, 6 bridges and 4 box culverts along Provincial Road (PR) 270 in Kampong Cham province also completed.
Around 30% of unskilled labor hired are women.
All five Stage 2 contracts for reconstruction of 275.2 km of rural roads completed. All five Stage 3 contracts, which entail placement of laterite on 175.9 km of rural roads and rehabilitation of 165 structures also completed.
Roughness index of 7 achieved for all laterite re-habilitated roads
Around 35.3% of unskilled labor hired are women.
Civil works construction of Stage 2 and Stage 3 subprojects have been completed by March 2015. The 20 subprojects of Stage 2 and 3 will be capable of irrigating 25,408 ha, equivalent to 101% of the targeted irrigated areas of 25,000 ha. The total costs for both stage-2 and stage-3 civil works are \$9.88 million. The average cost per hectare is about \$418.
About 25% of women have been employed as unskilled labor.
Sex-disaggregated data has been collected.
Key PIU staff have been participated in training on gender mainstreaming in infrastructure projects.
The construction of 450 km of rural roads under FDERP was completed. Rehabilitation of 256.60 km of rural roads under FDERP-AF is completed.
Civil works for Stage 2 subprojects which consist of seven contracts have been completed and the defect liability period was lapsed. The total contract value of the Stage 2 six contracts was \$4.86 million. Stage 3 civil works consists of 10 subprojects . Civil works for 8 out of 10 subprojects have been completed. Total contract awards for stage 3 civil works were \$12.94 million. 4 subprojects have been completed and the defect liability certificates have been issued. 5 subprojects have been completed and are under defect liability. The works under CW13 is ongoing and expected to be completed on time. Together, Stage 2 and 3 subprojects will be capable of irrigating 70,394 ha which are equivalent to about 188% of the target irrigated areas of this output.
30% of women of unskilled laborers hired are likely achieve.
The installation and commissioning of eight AWS and ten hydrological stations was completed in June 2015. the certificates of acceptance were issued in October 2015. The hydrological data obtaining from AWS and hydromet stations have been uploaded into MOWRAM website. The training to PIU staff has also been provided by the supplier.

Geographical Location

Safeguard Categories

Environment	B
Involuntary Resettlement	B
Indigenous Peoples	C

Summary of Environmental and Social Aspects

Environmental Aspects	Environmental Management Plans (EMPs) for roads and irrigation sub-projects have been prepared. EMPs have been incorporated into the civil works bidding documents and in the contracts. The initial environmental examinations (IEEs) have also been prepared. The EA/IAs, consultants and ADB Project team are monitoring implementation of EMPs closely.
Involuntary Resettlement	A resettlement framework was prepared prior to project approval. The subprojects approved so far are classified as Category C for involuntary resettlement.
Indigenous Peoples	The Project is not affecting indiginous people as defined under ADB's Safeguard Policy Statement (2009).

Stakeholder Communication, Participation, and Consultation

During Project Design	The project team have had numerous consultations with relevant government ministries, including the National Committee for Disaster Management, and selected development partners during the Reconnaissance Mission in December and Fact-finding mission in January-Feb 2012.
During Project Implementation	The project team have conducted consultations with the relevant Government ministries and project beneficiaries during project review missions and site visits.

Responsible Staff

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Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Cambodia Resident Mission
Executing Agencies	<p>Ministry of Economy and Finance ROSSEILAVA@PFM.GOV.KH Street 92, Sangkat Wat Phnom Khan Daun Penh, Phnom Penh City Cambodia</p> <p>Ministry of Public Works and Transport PSOVICHEANO@ONLINE.COM.KH 4th Floor Eastern Building Corner Norodom Boulevard Street 106 Phnom Penh, Cambodia</p> <p>Ministry of Rural Development MRDNGYCP@FORUM.ORG.KH 169 Corner Road Soviet Blvd. Phnom Penh Cambodia</p> <p>Ministry of Water Resources and Meteorology 364 Monivong Blvd, Khan Chamkamorn Phnom Penh, Cambodia</p>

Timetable

Concept Clearance	09 Jan 2012
Fact Finding	26 Jan 2012 to 10 Feb 2012
MRM	29 Feb 2012
Approval	27 Mar 2012
Last Review Mission	-
Last PDS Update	28 Apr 2017

Grant 0285-CAM

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Mar 2012	04 Apr 2012	14 May 2012	30 Sep 2015	30 Sep 2017	-

Financing Plan			Grant Utilization			
	Total (Amount in US\$ million)		Date	ADB	Others	Net Percentage
Project Cost	11.93		Cumulative Contract Awards			
ADB	0.00		27 Mar 2012	0.00	11.93	100%
Counterpart	0.00		Cumulative Disbursements			
Cofinancing	11.93		27 Mar 2012	0.00	11.68	98%

Loan 2852-CAM

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Mar 2012	04 Apr 2012	14 May 2012	30 Sep 2015	-	10 Mar 2016

Financing Plan			Loan Utilization			
	Total (Amount in US\$ million)		Date	ADB	Others	Net Percentage
Project Cost	61.93		Cumulative Contract Awards			

ADB	55.00	27 Mar 2012	0.00	50.87	99%
Counterpart	6.93	Cumulative Disbursements			
Cofinancing	0.00	27 Mar 2012	0.00	51.64	100%

Loan 3125-CAM

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
11 Apr 2014	23 Apr 2014	30 May 2014	30 Sep 2017	-	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	75.00	Cumulative Contract Awards			
ADB	75.00	11 Apr 2014	0.00	65.70	97%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	11 Apr 2014	0.00	56.35	83%

Project Page	https://www.adb.org/projects/46009-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=46009-001
Date Generated	30 May 2017

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