



Lao PDR Clean Cook Stove Initiative (P169538)

EAST ASIA AND PACIFIC | Lao People's Democratic Republic | Energy & Extractives Global Practice |
Recipient Executed Activities | Investment Project Financing | FY 2019 | Seq No: 4 | ARCHIVED on 28-Mar-2021 | ISR45590 |

Implementing Agencies: The Ministry of Energy and Mines (MEM), Lao People's Democratic Republic

Key Dates

Key Project Dates

Bank Approval Date: 26-Jun-2019

Effectiveness Date: 01-Aug-2019

Planned Mid Term Review Date: 25-May-2022

Actual Mid-Term Review Date:

Original Closing Date: 31-Oct-2025

Revised Closing Date: 31-Oct-2025

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

Generate environment and gender benefits for targeted households through a switch to clean, energy efficient gasifier cookstoves using biomass pellets across selected provinces.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Carbon Finance Capacity Building:(Cost \$0.38 M)

Project Management and Implementation Technical Assistance:(Cost \$0.86 M)

Carbon Emission Reduction Program:(Cost \$5.20 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

Project Implementation Progress: Since the project approval in June 2019, the Project Management Unit (PMU) located within Ministry of Energy and Mines has been set up to oversee the project implementation, a team of consultants to support the PMU has been mobilized and there has been progress on a number of key project start-up activities since effectiveness in August 2019. However, the hiring an Implementing Entity (IE - which is key to success of project implementation) has experienced delays and now is at the final contracting stage with the expected mobilization in late March 2021. Given the COVID-19 outbreak and travel restriction, the Bank team has been providing a virtual implementation support to CSI-PMU on a continual basis (i.e. regular web-ex meetings), and will continue working closely with the clients to ensure smooth project implementation.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Moderate
Macroeconomic	☐ Moderate	☐ Substantial	☐ Substantial
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Substantial	☐ Substantial	☐ Substantial
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Substantial	☐ Substantial	☐ Substantial
Environment and Social	☐ Moderate	☐ Moderate	☐ Moderate
Stakeholders	☐ Moderate	☐ Moderate	☐ Moderate
Other	--	--	--
Overall	☐ Substantial	☐ Substantial	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

Lowered Greenhouse Gas (GHG) emissions due to a switch to pellets and gasifier cookstoves				
► Emissions Reductions from avoided use of charcoal (measured in ton of carbon dioxide equivalent or tCO2e) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	558,648.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator will measure the lowered CO2 emissions resulting from a switch to the forced-draft gasifier cookstoves from traditional charcoal cookstove.			

Reduced time burden associated with cooking and cleaning for women				
► Time savings for direct beneficiaries (days per year) (Days, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7.00



Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator will measure time savings from using a forced-draft gasifier cookstove versus the traditional charcoal cookstove as reported by the beneficiaries. It will measure time saved on cooking as well as cleaning cooking utensils after cooking.			

Reduced acute health symptoms associated with household air pollution (HAP) from cooking				
▶ Lowered occurrences of eye irritation and headaches (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator measures the number of beneficiaries reporting less eye irritation and headaches.			

Intermediate Results Indicators by Components

Preparedness Activities and Capacity Building of IREP on carbon finance				
▶ Registration of the Programme of Activities (PoA) (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	The preparation of Clean Development Mechanism (CDM) registration and the POA-DD (Program of Activities - Carbon Finance Program Design Document) will be undertaken by the selected IE, differently to what originally envisaged. The finalization and submission of the CDM registration package will be carried after the IE's Business Plan is revised and approved by IREP and Ci-Dev. The Standardized Crediting Framework (SCF) developed by Ci-Dev will be the back-up crediting standard in case CDM scheme becomes unavailable by 2023.			
▶ CDM Operations Manual (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2019
Comments:	A CDM Operations Manual is under development and expected finalization by end of March 2021			

Technical Assistance for project management and implementation				
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► Implementing entity contracted (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2019
Comments:	Hiring process has been started, but experienced delays. New expected mobilization by March 2021			
► Forced-draft gasifier stoves distributed in Vientiane Capital (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	26,000.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	30-Jun-2020
Comments:	The indicator measures the number of households that have received the forced draft gasifier cookstove in Vientiane Capital Province.			
► Forced-draft gasifier stoves distributed in Savannakhet (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	12,000.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	30-Sep-2020
Comments:	The indicator measures the number of households that have received the forced draft gasifier cookstove in Savannakhet.			
► Forced-draft gasifier stoves distributed in Champasack (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	12,000.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	30-Sep-2020
Comments:	The indicator measures the number of households that have received the forced draft gasifier cookstove in Champasack.			
► Awareness campaign on clean cookstoves launched (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2020
Comments:	This indicator will measure whether or not the communication/awareness campaign being developed and launched in 8 to 11 districts in the selected three provinces. The draft communication/awareness campaign materials developed and being reviewed and expect to launch when the IE is on board in the next few weeks.			



Implementation of the Results-Based-Financing Framework				
► Pellets distributed in Vientiane Capital (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10,530.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator measures the tonnes of pellets that has been distributed to households in the Vientiane Capital.			
► Pellets distributed in Savanakhet (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,860.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator measures the tonnes of pellets that has been distributed to households per year in Savannakhet.			
► Pellets distributed in Champasack (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,860.00
Date	01-Jul-2019	17-Aug-2020	15-Mar-2021	31-Dec-2025
Comments:	This indicator measures the tonnes of pellets that has been distributed to households per year in Champasack.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

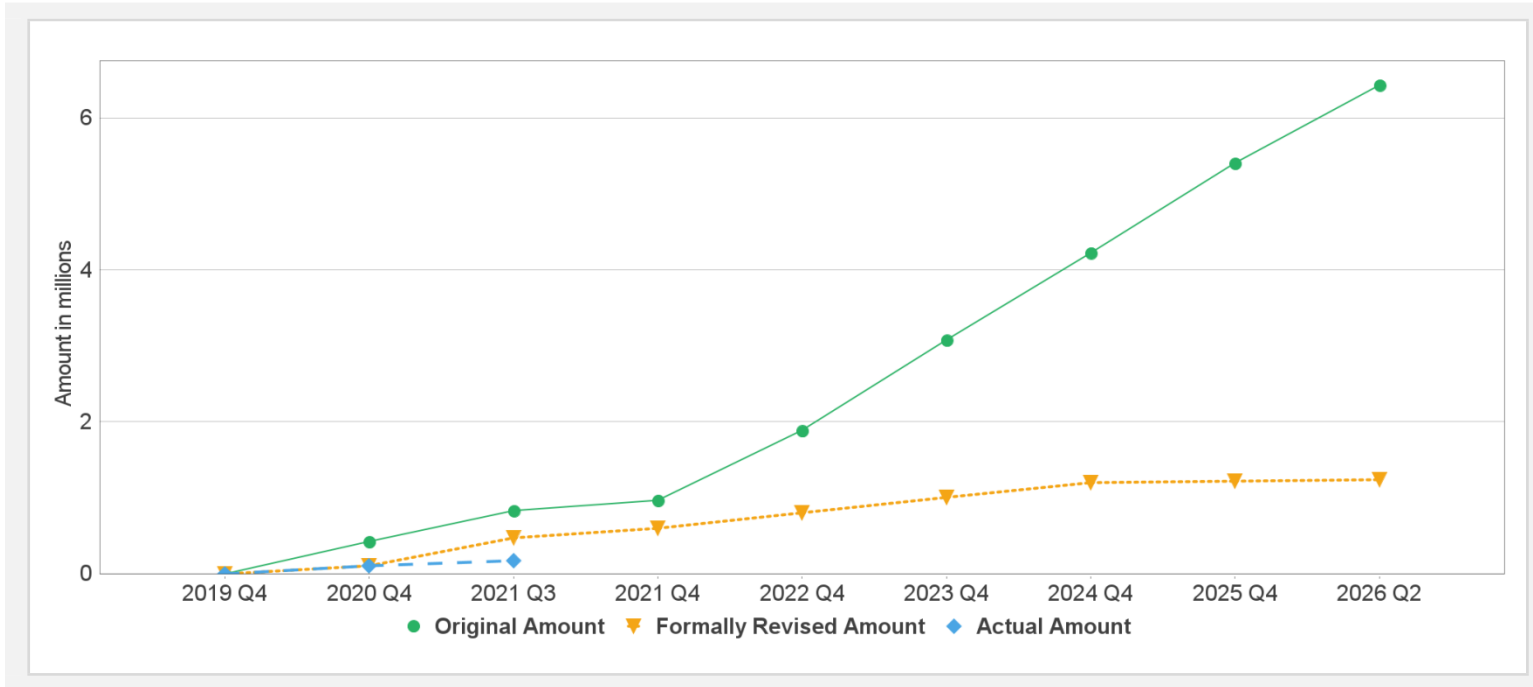
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P169538	TF-B0555	Effective	USD	0.38	0.38	0.00	0.06	0.32	16%
P169538	TF-B0599	Effective	USD	0.86	0.86	0.00	0.11	0.75	13%
P170644	TF-B0648	Effective	USD	2.00	2.00	0.00	0.00	2.00	0%

Key Dates (by loan)



Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P169538	TF-B0555	Effective	26-Jun-2019	29-Aug-2019	29-Aug-2019	30-Jun-2025	30-Jun-2025
P169538	TF-B0599	Effective	26-Jun-2019	29-Aug-2019	29-Aug-2019	30-Jun-2023	30-Jun-2023
P170644	TF-B0648	Effective	26-Jun-2019	01-Aug-2019	01-Aug-2019	31-Oct-2025	31-Oct-2025

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)

P170644-Lao PDR Clean Cook Stove Initiative