



2017
Project Implementation Review (PIR)



*Empowered lives.
Resilient nations.*

Biomass

Basic Data	3
Overall Ratings.....	4
Development Progress.....	5
Implementation Progress	10
Critical Risk Management	12
Adjustments	13
Ratings and Overall Assessments	14
Gender	16
Communicating Impact	17
Partnerships	19
Grievances	20
Annex - Ratings Definitions.....	21

NOTE: For items marked **X**, please provide answers or just indicate N.A.

A. Basic Data

Project Information	
UNDP PIMS ID	4250
GEF ID	4344
GEF Replenishment Phase	TODO
Title	Promoting Sustainable Bio-energy Production from Biomass
Country(ies)	East Timor, East Timor
UNDP-GEF Technical Team	Energy, Infrastructure, Transport and Technology
Project Implementing Partner	TLS10
Joint Agencies	
Project Type	Full Size

Project Description
<p>The Promoting Sustainable Bio-energy Production from Biomass (SBEPB) Project is a four-year programme contributing to the reduction of greenhouse emissions through removal of barriers to sustainable production and utilization of biomass resources in Timor-Leste and application of biomass energy technologies to support local economic, environmental and social development.</p> <p>The objective of the Project will be achieved through enhancing the capacity of all relevant public and private stakeholders, developing policy and legal bioenergy frameworks for end-use appliances and scaling up of 16,000 improved cook stoves (ICS) and 400 bio-digester units in the country. The project will assist the Government of Timor-Leste in mainstreaming sustainable biomass energy in policy formulation and consequently help in mitigating the national emission of greenhouse gases resulting from deforestation and the use of non-renewable biomass. The Project will help to increase Timor-Leste's access to clean bioenergy and also create employment through inclusive businesses.</p>

Project Contacts	
UNDP-GEF Regional Technical Adviser	Mr. Manuel Soriano (manuel.soriano@undp.org)
Programme Associate	Ms. Karakate (Mod) Bhamornbutr (karakate.bhamornbutr@undp.org)
Project Manager	Alamgir Hossain (alamgir.hossain@undp.org)
CO Focal Point	Livio Xavier (livio.xavier@undp.org)
GEF Operational Focal Point	Joao Carlos Soares (soaresjoaocarlos@ymail.com)
Project Implementing Partner	Virgilio Guterres (virgiliofuterres@hotmail.com)
Other Partners	

B. Overall Ratings

Overall DO Rating	Moderately Satisfactory
Overall IP Rating	Moderately Satisfactory
Overall Risk Rating	Substantial

C. Development Progress

Objective or Outcome	Description				
Objective:	Removal of barriers to sustainable production and utilization of biomass resources in Timor-Leste and application of biomass energy technologies to support local economic, environmental and social development that leads to GHG mitigation.				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	Reduction of non-sustainable fuel wood consumption for energy use in households and industries by EOP, tons.	0	Up to 192,665	6433	16494.1 U (vs. 119,809)
	No. of households and industries that adopted, and are benefiting from, the energy-efficient furnaces/stoves & other BET applications by EOP.	0	Up to 20,000	1500	4128 U (vs. 12,437)
The progress of the objective can be described as:		On track? U			
Outcome 1:	Implementation of strengthened enabling policies, legal and institutional framework for deployment of biomass energy technologies as well as the growth of biomass energy businesses in Timor-Leste.				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	No. of sustainable biomass energy production businesses that were proposed and developed as influenced by the strengthened policy and institutional frameworks for the deployment of BETs and biomass energy businesses by Year 2	0	25	3	10 U (vs. 24)
	No. of biomass energy utilization projects that are planned and developed for PURE/SURE purposes by EOP	0	25		0 HU (vs. 24)

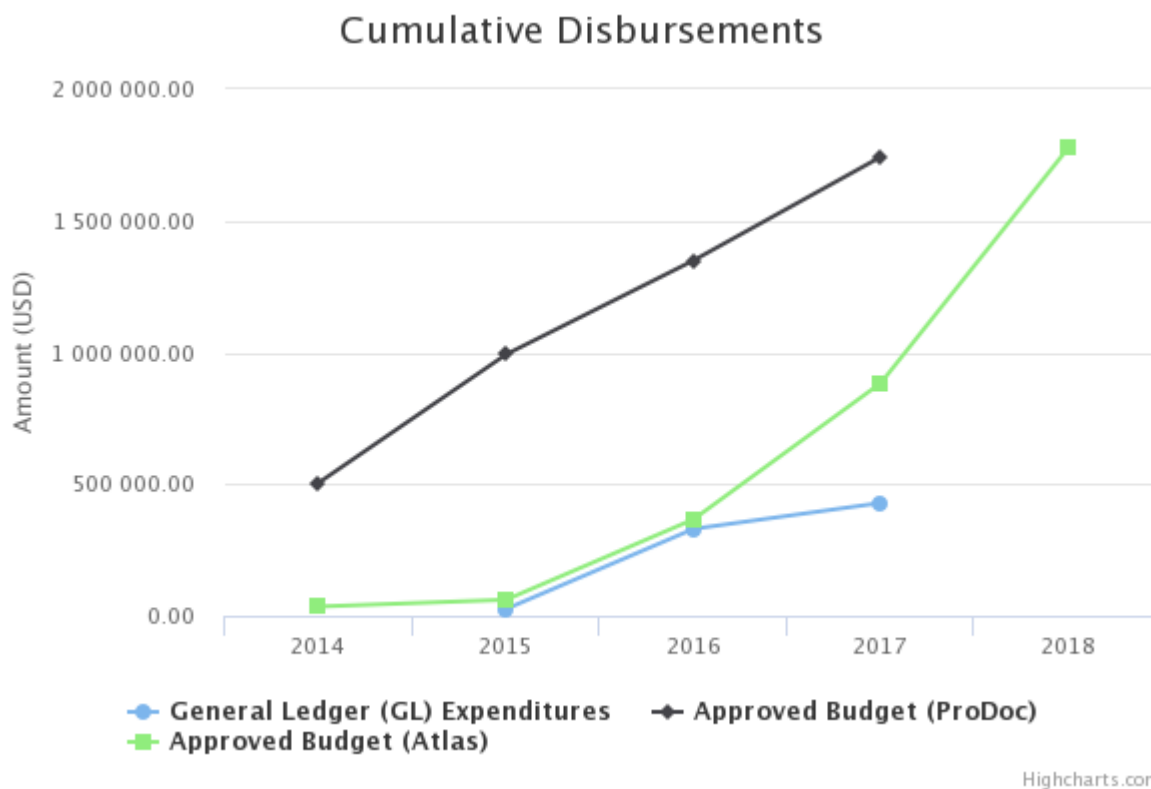
	No. of policies and legal frameworks that is supportive of BET applications and biomass energy business development approved and enforced by Year 3	0	1		1 S
	Volume of funding made available for BET application projects by EOP, US\$ million/year	0	1 million		0 HU (vs. 944,000)
	No. of relevant GOT agencies and institutions involved in biomass energy production and use of BETs and are linked with each other via a working mechanism for coordination by EOP.	0	5	2	3 MS (vs. 5)
	No. of satisfied users of the Biomass Energy Resource Information System (BERIS) each year starting Year 2	0	200		0 HU (vs. 189)
The progress of the objective can be described as:		On track? U			
Outcome 2:	Availability of financial support for rural bio-energy production and associated low-carbon technology applications				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	No. of operational financial support schemes (e.g., loan products) for scaling up and replicating successfully implemented BET projects (e.g., ICS) by Year 2, including the LRGS.	0	2		0 HU (vs. 1)
	No. of local financial institutions that apply the new financial support schemes to support BET projects by Year 4	0	2		0 HU (vs. 1)
	Volume of funds earmarked by participating FIs for financing BET projects by EOP, US\$ million/year	0	US\$3m		0 HU (vs. \$ 847,679)
The progress of the objective can be described as:		Off track? HU			

Outcome 3:	Increased investments in Bio-energy				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	Production of improved cook stoves (ICS) by Year 4, units	0	20000	1500	4128 MS (vs. 11,560)
	No. of ICS bought and utilized by consumers annually starting Year 4	0	20000	1500	4128 MS (vs. 11,560)
	No. of furnaces/stoves installed & being used on a daily basis by households in targeted areas by EOP	0	600	20	22 HU (vs. 347)
	No. of industrial stoves installed and are operational by EOP.	0	400	15	36 HU (vs. 231)
	Total volume of investments on biomass energy technology applications by EOP, US\$ million/year	0	1		0 U (1)
The progress of the objective can be described as:		On track? U			
Outcome 4:	GHG emissions avoided from technology applications and investments				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	Annual quantities of sustainable fuel wood produced, starting Year 4, tons.	0	1		0 U (vs. 1)
	Annual fuel wood savings from the cost-effective and efficient use of biomass energy in rural communities starting Year 4, tons	0	109226		17699.5 U (vs. 63,135)
	Annual GHG emission reduction from the cost effective and efficient use of biomass energy in rural communities starting Year 4, tons	0	117145	6901	16494.1 U (vs. 67,712)

The progress of the objective can be described as:		On track? U			
Outcome 5:	Enhanced capacities of policy makers, financial institutions, entrepreneurs, project developers, communities and end-users on the development of the local BET market				
	Description of Indicator	Baseline Level	Target level at end of project	Level at 30 June 2016	Cumulative progress since project start
	No. of local manufacturing firms that can fabricate and install equipment/components used in BET systems by Year 4	1	25	3	10 MS (vs. 12)
	No. of trained and qualified men and women technicians working on BET application projects by EOP	0	25	5	10 MS (vs. 12)
	No. of trained men and women technicians who are qualified to repair and maintain BET equipment and installations by EOP	0	25	5	10 MS (vs. 12)
	No. of trained and qualified men and women in rural communities gainfully engaged in community forestry and woodlot operations by EOP.	0	25		5 U (vs. 12)
	No. of local development plans that integrate biomass energy use, BET applications, and biomass industry development prepared by local government men and women planners by EOP	0	10		0 HU (vs. 5)
	No. of local men and women financial officers that are capable of evaluating biomass energy and other RE project proposals by EOP	0	15	15 NAMAs identified and are at the following status: - 9 NAMAs proposed; - 3 NAMAs at concept development stage	0 HU (vs. 7)

				- 3 NAMAs at business planning stage	
	No. of local entrepreneurs and SMEs that are gainfully involved in businesses that make up the value chain of the BET application industry by EOP	0	25	3	10 MS (vs. 12)
The progress of the objective can be described as:		On track? MS			

D. Implementation Progress



Cumulative GL delivery against total approved amount (in prodoc):	24.59%
Cumulative GL delivery against expected delivery as of this year:	24.59%
Cumulative disbursement as of 30 June (note: amount to be updated in late August):	423,380.51

Key Financing Amounts	
PPG Amount	55,000
GEF Grant Amount	1743000
Co-financing	6,850,000

Key Project Dates	
PIF Approval Date	Jun 1, 2012
CEO Endorsement Date	Jun 10, 2014
Project Document Signature Date (project start date):	Sep 26, 2014
Date of Inception Workshop	Please state date
Expected Date of Mid-term Review	(not set or not applicable)

Actual Date of Mid-term Review	(not set or not applicable)
Expected Date of Terminal Evaluation	Jul 31, 2018
Original Planned Closing Date	Oct 30, 2018
Revised Planned Closing Date	(not set or not applicable)

Dates of Project Steering Committee/Board Meetings during reporting period (30 June 2016 to 1 July 2017)
2017-01-30

E. Critical Risk Management

Current Types of Critical Risks	Critical risk management measures undertaken this reporting period
Political	Due to anticipated change in the government system following the election, policy related works under the project got slowed. Based on discussion with the PB Chair, it was decided that the draft law on renewable energy systems will be submitted to the new parliament instead of the existing one.
Operational	Very low capacity of local NGO implementing partners. The NGOs have gone through capacity assessments by UNDP hired individual consultant and based on the needs of the NGO a business development advisor, a program, support specialist and 2 volunteers were associated with the NGO by the PMU.

F. Adjustments

Comments on delays in key project milestones

Project Manager: please provide comments on delays this reporting period in achieving any of the following key project milestones: inception workshop, mid-term review, terminal evaluation and/or project closure.

There were no major delays within this reporting period for achieving any major milestone. However, there were specific delays in achieving some specific activities like finalization of the draft renewable energy systems decree law due to some operational problems.

G. Ratings and Overall Assessments

Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
Project Manager/Coordinator	Moderately Satisfactory	<i>- IP Rating provided by UNDP-GEF Technical Advisor and UNDP Country Office only -</i>
Overall Assessment	<p>The overall rating for the reporting period is moderately satisfactory. There are a notable number of challenges in Timor-Leste for promotion of biomass energy solutions. Lack of technical capacity in country level, lack of regulatory regime supporting environmental management and lack of market based approaches for technology solutions remains as key challenges associated with implementation of the project. Slow uptake of the proposed solutions by stakeholders, in particular changing the mindset of the implementing partners from a complete grant based approach to market based solutions is a major obstacle the PMU has tried to address in the reporting period. Lack of associated data is also very evident in the country.</p> <p>While in previous year rating was satisfactory, this year's rating is moderately satisfactory considering that the targeted RE Decree Law did not received the approval of the Council of Ministers as planned in the AWP. This was planned as a major policy level outcome of the project within this reporting period. Two major reasons associated with this delay: issues related to the hired international consultant and the slow movement of the GoTL due to the anticipated change in the Government. The law has been drafted, reviewed and finalized at the Ministerial level with the lead GoTL ministry and will be submitted to the new Government as soon as its sworn in.</p> <p>Local implementing partners are relatively slow in implementation and the PMU is very closely working with the partners to address the issue. However, due to lack of adequate technical capacity in national level; the project management suffered from staff movement in partner organizations. Currently, the project is working with partners to engage recent university graduates as trainees to enhance local capacity as well as to create the necessary back up support mechanisms.</p> <p>Most of the activities (more than 90%) was achieved in the reporting period. The project in upcoming years have strategized to address the key challenges while building the local capacity for ensuring sustainability of the project activities.</p>	
Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
UNDP Country Office Programme Officer	Moderately Satisfactory	Moderately Satisfactory
Overall Assessment	The Biomass Project implementation is well implemented, even there is many challenges out there specially working with the National NGOs and	

	government. hence the national counterparts is keeping change on their structure as well as the National Political Campaign prior to the election and also greatly affected to its implementation of the project. overall there is a great demand to deliver and achieved the project target based on the prodoc. other than this, Timor-Leste in the process of formation of the new government, this could be new challenge at the high level including technical level the might potentially change significantly within the government institution.	
Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
GEF Operational Focal point		- IP Rating provided by UNDP-GEF Technical Advisor and UNDP Country Office only -
Overall Assessment		
Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
Project Implementing Partner		- IP Rating provided by UNDP-GEF Technical Advisor and UNDP Country Office only -
Overall Assessment		
Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
Other Partners		- IP Rating provided by UNDP-GEF Technical Advisor and UNDP Country Office only -
Overall Assessment		
Role	2017 Development Objective Progress Rating	2017 Implementation Progress Rating
UNDP-GEF Technical Adviser	Unsatisfactory	<i>Unsatisfactory</i>
Overall Assessment		

H. Gender

Progress in Advancing Gender Equality and Women's Empowerment

This information is used in the UNDP-GEF Annual Performance Report, UNDP-GEF Annual Gender Report, reporting to the UNDP Gender Steering and Implementation Committee and for other internal and external communications and learning.

Has a gender analysis been carried out this reporting period? Please note that all projects approved in GEF-6 (1 July 2014 through 30 June 2018) are required to carry out a gender analysis.
No
If a gender analysis was carried out what were the findings?
X
Does this project specifically target woman or girls as direct beneficiaries?
No
Please specify results achieved this reporting period that focus on increasing gender equality and improving the empowerment of women.
Results reported can include site-level results working with local communities as well as work to integrate gender considerations into national policies, strategies and planning. Please explain how the results reported addressed the different needs of men or women, changed norms, values, and power structures, and/or contributed to transforming or challenging gender inequalities and discrimination.
60% of the targeted beneficiaries of the project for subsidy based programme were women beneficiaries.

I. Communicating Impact

<p>Tell us the story of the project focusing on how the project has helped to improve people's lives.</p> <p>(This text will be used for UNDP corporate communications, the UNDP-GEF website, and/or other internal and external knowledge and learning efforts.)</p>
<p>The project is helping to address the 'energy poverty' issues in Timor-Leste while addressing some pressing environmental challenges of the country, in particular deforestation. With promotion of efficient use of biomass energy, the project in particular in assisting the women and children in targeted households to avail the key benefits of clean cooking solutions - reduced exposure to pollution, enhanced indoor air quality, reduced time and cost for fuelwood collection/purchase and associated economic benefits. The project is also assisting youth and women SME entrepreneurs for starting up biomass businesses in Timor-Leste. This is helping to create employment and enhancing the livelihoods of not only the entrepreneurs, but also the SME staffs, particularly youth in Timor-Leste where unemployment of growing youth population remains as a major challenge.</p> <p>Understanding the importance of the project activities and benefits for women and children, in December 2016, Her Excellency the First Lady of Timor-Leste, Dra. Isabel da Costa Ferreira promoted ICS during Christmas celebration with women and children at the President Palace in Dili, December 13, 2016. This event was a regular event for the first lady where she used to provide gifts to the most vulnerable households, prior to the Christmas. For the first time, ICS was considered as the key gift item and in her address to the audience she mentioned that "this is a gift not for one day or for time being. This will help you have a healthier and cleaner life for coming days and I believe efficient cooking solution will not only change our indoor environment at houses, but also will have very positive impact on our overall environment".</p>
<p>What is the most significant change that has resulted from the project this reporting period?</p> <p>(This text will be used for internal knowledge management in the respective technical team and region.)</p>
<p>X</p>
<p>Describe how the project supported South-South Cooperation and Triangular Cooperation efforts in the reporting year.</p> <p>(This text will be used for internal knowledge management within the respective technical team and region.)</p>
<p>X</p>

Project Links and Social Media

<p>Please include: project's website, project page on the UNDP website, Adaptation Learning Mechanism (UNDP-ALM) platform, Facebook, Twitter, Flickr, YouTube, as well as hyperlinks to any media coverage of the project, for example, stories written by an outside source. Please upload any supporting files, including photos, videos, stories, and other documents using the 'file upload' button in the top right of the PIR.</p>
<p>The project used UNDP CO website, social media platforms to promote project activities. In addition, the project used the largest social behavior change platform of the country to create awareness on</p>

clean cooking, health aspects and environmental degradation issues targeting 86000 households of the country which is roughly 40% of Timorese population.

J. Partnerships

Give the name of the partner(s), and describe the partnership, recent notable activities and any innovative aspects of the work. Please do not use any acronyms. (limit = 2000 characters).
 This information is used to get a better understanding of the work GEF-funded projects are doing with key partners, including the GEF Small Grants Programme, indigenous peoples, the private sector, and other partners. Please list the full names of the partners (no acronyms please) and summarize what they are doing to help the project achieve its objectives. The data may be used for reporting to GEF Secretariat, the UNDP-GEF Annual Performance Report, UNDP Corporate Communications, posted on the UNDP-GEF website, and for other internal and external knowledge and learning efforts. The RTA should view and edit/elaborate on the information entered here. All projects must complete this section. Please enter "N/A" in cells that are not applicable to your project.

Civil Society Organisations/NGOs
The project is working with several NGOs like Haburas Foundation, Mercy Corps, CARE.
Indigenous Peoples
N/A
Private Sector
The project is closely working with 10 local businesses to implement the project activities. In addition, the project in year 2 have started negotiating financial mechanisms with 2 financing institutions based in Timor-Leste. The project is also finalizing some joint market development work with DFAT funded Market Development Facility programme.
GEF Small Grants Programme
GEF-SGP partner NGOs are in discussion to be used for some local level demonstration and implementation of ICS related activities in rural areas.
Other Partners
The project is currently exploring partnership with an autonomous institution for promotion of bamboo based briquette technology.

K. Grievances

Environmental or Social Grievance

This section must be completed by the UNDP Country Office if a grievance related to the environmental or social impacts of this project was addressed this reporting period. It is very important that the questions are answered fully and in detail. If no environmental or social grievance was addressed this reporting period then please do not answer the following questions. If more than one grievance was addressed, please answer the following questions for the most significant grievance only and explain the other grievance(s) in the comment box below. The RTA should review and edit/elaborate on the information entered here. RTAs are not expected to answer these questions separately.

What environmental or social issue was the grievance related to?
X
How would you rate the significance of the grievance?
X
Please describe the on-going or resolved grievance noting who was involved, what action was taken to resolve the grievance, how much time it took, and what you learned from managing the grievance process (maximum 500 words). If more than one grievance was addressed this reporting period, please explain the other grievance (s) here.
X

L. Annex - Ratings Definitions

Development Objective Progress Ratings Definitions

(HS) Highly Satisfactory: Project is on track to exceed its end-of-project targets, and is likely to achieve transformational change by project closure. The project can be presented as 'outstanding practice'.

(S) Satisfactory: Project is on track to fully achieve its end-of-project targets by project closure. The project can be presented as 'good practice'.

(MS) Moderately Satisfactory: Project is on track to achieve its end-of-project targets by project closure with minor shortcomings only.

(MU) Moderately Unsatisfactory: Project is off track and is expected to partially achieve its end-of-project targets by project closure with significant shortcomings. Project results might be fully achieved by project closure if adaptive management is undertaken immediately.

(U) Unsatisfactory: Project is off track and is not expected to achieve its end-of-project targets by project closure. Project results might be partially achieved by project closure if major adaptive management is undertaken immediately.

(HU) Highly Unsatisfactory: Project is off track and is not expected to achieve its end-of-project targets without major restructuring.

Implementation Progress Ratings Definitions

(HS) Highly Satisfactory: Implementation is exceeding expectations. Cumulative financial delivery, timing of key implementation milestones, and risk management are fully on track. The project is managed extremely efficiently and effectively. The implementation of the project can be presented as 'outstanding practice'.

(S) Satisfactory: Implementation is proceeding as planned. Cumulative financial delivery, timing of key implementation milestones, and risk management are on track. The project is managed efficiently and effectively. The implementation of the project can be presented as 'good practice'.

(MS) Moderately Satisfactory: Implementation is proceeding as planned with minor deviations. Cumulative financial delivery and management of risks are mostly on track, with minor delays. The project is managed well.

(MU) Moderately Unsatisfactory: Implementation is not proceeding as planned and faces significant implementation issues. Implementation progress could be improved if adaptive management is undertaken immediately. Cumulative financial delivery, timing of key implementation milestones, and/or management of critical risks are significantly off track. The project is not fully or well supported.

(U) Unsatisfactory: Implementation is not proceeding as planned and faces major implementation issues and restructuring may be necessary. Cumulative financial delivery, timing of key implementation milestones, and/or management of critical risks are off track with major issues and/or concerns. The project is not fully or well supported.

(HU) Highly Unsatisfactory: Implementation is seriously under performing and major restructuring is required. Cumulative financial delivery, timing of key implementation milestones (e.g. start of activities), and management of critical risks are severely off track with severe issues and/or concerns. The project is not effectively or efficiently supported.