



Ministry of Industry and Handicraft (MIH)

Demonstration of RECP, EMS and GHG mitigation and adaptation in industrial and handicraft sectors

Project Factsheet 2017

Grant for Climate Change Action Plan Priorities



BACKGROUND

Industry and handicraft are vulnerable to climate change and extreme weather. Current climate trends indicate that the impacts are already experienced by the sector from extreme weather events or other climate-induced phenomena, making it harder for the sector to grow in the new climate regime. On the other hand, industry and handicraft sectors contribute to climate change. The recent Cambodia Second National Communication (2015) calculated the greenhouse gas emission in the country for the year 2000 and found that Industrial Processes had zero emission (negligible number) and Manufacturing Industries and Construction represented about 15% of emissions in the Energy sector. However, GHG emission from industrial processes and manufacturing are expected to have increased significantly since 2000, and there is a lot of scope to improve current practices.

OVERALL OBJECTIVE

Strengthen Government and industry sector capacity and awareness of low-carbon planning and technologies

SPECIFIC OBJECTIVES

- ▶ Development of National GHG inventory in Industrial Processes and Product Use (IPPU)
- ▶ RECP and EMS implemented in the demonstration companies
- ▶ Capacity building and awareness raising

APPROACH

The development of a National GHG Inventory in Industrial Processes and Product use will require technical inputs from Department of Climate Change, Ministry of Environment, who is the national focal point connected to the UN-FCCC on Cambodia's GHG emission. The Result 1 will adopt the 2006 IPCC's methodology on National GHG Inventory in Industrial Processes and Product Use (IPPU).

The proposed demonstrations of best practices on available technology and environment for contribution to climate change adaptation and mitigation in industrial and handicraft sectors will improve the knowledge, know-how of local industry and SMEs to change their behaviors, management, manufacturing technology, and products so that in the future this sector will be more competitive and innovative including use of renewable energy, such as solar, sustainable solid biomass fuels and biogas. Specific awareness-raising initiatives will be conducted based on these concrete examples.

OUTPUTS AND KEY ACTIVITIES

Results	Key Activities
Establishment of a GHG inventory team	Establish rules, procedure, methodology for GHG inventory
Development of training manual on National GHG inventory in IPPU sector	Provide training on inventory to GHG inventory team (30 MIH staff involved)
Data preparation for inventory	Prepare data registration system
	Identify emission factor
	Prepare the GHG inventory in IPPU report and communicate the findings
Development of technical guidelines for greenhouse gas emission and RECP and EMS to change production process	Prepare a technical guideline for GHG emission reduction and RECP and EMS
	Conduct case studies on GHG emission in selected firms/SME (energy based production) and material flow analysis
Demonstration of low carbon technologies	Install the equipment (low carbon technologies)
	Conduct economic analysis on adopting low carbon technologies and presented in the final workshop of project

KNOWLEDGE PRODUCTS

- ▶ Report on National GHG Inventory in Industrial Processes and Product Use and data
- ▶ Training manual on National GHG Inventory in IPPU sector
- ▶ Training manual on RECP and EMS
- ▶ Technical guideline on resource and energy efficiency change production process
- ▶ Communication materials for public awareness on GHG mitigation, technology adaptation, and higher vulnerable areas or target sectors
- ▶ Economic analysis on adopting the RECP and EMS

PROJECT INFORMATION

Timeframe:	April 2017 - March 2019	Current Partners:	UNIDO
Total Budget:	USD 300,000 (USD 250,000 from CCCA)	Location:	Phnom Penh, Battambang, Kampong Speu, and Kandal
Contact person:	Mr. Ven Keahak Project Manager E-mail: keahakven01@yahoo.com	Potential Partners:	N/A

Funded by:



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