



The 17th Workshop in Japan[ECAP17]
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Current status of development and implementation on Energy Management in Lao PDR

Lao People's Democratic Republic (Lao PDR)

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Roadmap on EE&C Policy on EMS

There are three phase on Energy efficiency and conservation promotion in Lao PDR:

Phase I: Introduction period. The energy reduction target 3% between 2015 to 2020

Phase II: Implementation period. The energy reduction target 5% between 2021 to 2025

Phase III: Experienced Implementation period. The energy reduction target 10% between 2015 to 2030.

Current status of Energy Management in Lao PDR

- ❑ Currently, We have not had BEC/GBC in Laos PDR yet. We just started to establish the Energy Management System on factories and buildings in Vientiane Capital
- ❑ Draft and developing the regulations, decree, policies, EC Guideline, EM Manual:
 - The EE&C policy was approved by 2016
 - The Prime Minister Decree on EE&C is expecting approval within this year. (There are 13 parts, 78 Articles)
 - Draft the EC Guideline and EM Manual under AJEEP activities cooperation

The implementation on Energy Management System in Lao

- January, 2016 we have a Project on GEB at UNDP's Building with Solar roof top. the capacity is about 18 KW
- Energy Conservation Building 236 kW at Wattay international Airport and 178 kW at EDL's Building support by JICA
- After TOT in Thailand by 2016-2017 Energy Audit on MEM's building and Coca-cola's Factory by 2017 and will develop to other office Government in the future
- Cooperation 4 year plan with AJEEP, following on the activities of EMS arrangement scheme plan by ECCJ:
 - This year, we conducted energy data collection survey of 31 factories and 36 buildings in Vientiane capital and analysis data of sample survey.
 - Based on the result of the 1st workshop on Scheme 3 in Lao PDR on 29-31 Aug 2018, we selected 3 factories and 2 buildings to be the "Model Project"
 - Set up TWG on Energy Management System
 - Considering the certification system of Energy manager



The Certification methods on Energy Manager:

- Education Background of Electricity or Mechanical Engineering + Practical experience + Examination
- Practical experience < 3 years + Training Course + Examination
- Practical experience ≥ 3 years + Examination

The activities of first 6 month on Energy Management by ECCJ

				Responsible org. & dept.	2018					
					Fer.	Mar.	Apr.	May	Jun.	Ju.
1	Data Collection (Sample Survey)									
	1	Selection of factories & buildings		IREP						
		1)	Collection of existing data and information (ex. from Electricity du Laos)	IREP						
		2)	Selection of factories and buildings	IREP						
	2	Sample survey		IREP/TWG						
	3	Data analysis		IREP						
	4	Consideration of tentative threshold		IREP						
2	Model project building									
	1	Organization of EM-TWG		IREP						
		1)	Decision of member organization	IREP/TWG						
		2)	Appointment of each member	IREP						
	2	Selection of participating factories & buildings and a model city		IREP						
		1)	Decision of a model city	IREP/TWG						
		2)	Decision of candidate factories & buildings	IREP/TWG						
		3)	Explanation to the candidate factories & buildings → Fix	IREP/TWG						
	3	Setting up Steering Committee		IREP						
		1)	Decision of member organization	IREP/TWG						
		2)	Appointment of each member (individual)	IREP						
	4	Clarification of the model project contents (Purpose, duration, implementation items, etc.)		IREP						
3	Consideration in Steering Committee and activities in the model project									
	1	Making tentative report format & reporting guideline		IREP						
	2	Briefing session to participating factories/buildings		IREP						
	3	Collaborative work (ex. on-site data measurement/collection)		IREP						
	4	Verification of the tentative threshold		IREP						
	5	Verification of the reporting procedures, etc.		IREP						
	6	Making the tentative EC Guideline (simplified version)		IREP						

The expected activities of last 6 month by ECCJ

				Responsible org. & dept.	2018					
					Jul	Aug	Sept	Oct	Nov	Dec
1	Data Collection (Sample Survey)									
	1	Selection of factories & buildings		IREP						
		1)	Collection of existing data and information (ex. from Electric du Laos)	IREP						
		2)	Selection of factories and buildings	IREP						
	2	Sample survey		IREP/TWG						
	3	Data analysis		IREP						
	4	Consideration of tentative threshold		IREP						
2	Model project building									
	1	Organization of EM-TWG		IREP						
		1)	Decision of member organization	IREP/TWG						
		2)	Appointment of each member	IREP						
	2	Selection of participating factories & buildings and a model city		IREP						
		1)	Decision of a model city	IREP/TWG						
		2)	Decision of candidate factories & buildings	IREP/TWG						
		3)	Explanation to the candidate factories & buildings → Fix	IREP/TWG						
	3	Setting up Steering Committee		IREP						
		1)	Decision of member organization	IREP/TWG						
		2)	Appointment of each member (individual)	IREP						
	4	Clarification of the model project contents (Purpose, duration, implementation items, etc.)		IREP						
3	Consideration in Steering Committee and activities in the model project									
	1	Making tentative report format & reporting guideline		IREP						
	2	Briefing session to participating factories/buildings		IREP						
	3	Collaborative work (ex. on-site data measurement/collection)		IREP						
	4	Verification of the tentative threshold		IREP						
	5	Verification of the reporting procedures, etc.		IREP						
	6	Making the tentative EC Guideline (simplified version)		IREP						



Certification on EMS in Lao PDR

We plan to give the certificate to the Factory or Building that the participant on EMS





**Thank you
for your kind attention**