

Kick off Meeting

Energy Data Analysis Phase 2: Energy Efficiency Indicators Development

**Organised by EPPO and GIZ on behalf of Thai-German Programme on
Energy Efficiency Development Plan (TGP-EEDP)**

At the Shangri-La hotel, Indonesia room, 2nd floor, Krung Thep Wing, Bangkok Thailand

Monday, 10th February 2014 (08.30-12.30)

Project Overview:

Under the Thai- German Programme on Energy Efficiency Development Plan or TGP-EEDP, GIZ has been commissioned by the German Federal Ministry for Environment, Nature Conservation and Nuclear Safety (BMU) to contribute to the further development of the 20-year Energy Efficiency Development Plan (EEDP, 2011-2030) and to support the actions and to assist the implementation. The 3-year project has officially started in May 2012 and will run until April 2015. Project partners of TGP-EEDP include the Energy Policy and Planning Office (EPPO), the Department of Alternative Energy Development and Efficiency (DEDE) and the Thailand Greenhouse Gas Management Organization (TGO). The TGP-EEDP Project aims at promoting the increase of energy efficiency in industry and building sectors by supporting the implementation of the EEDP plan which will have a direct impact on CO₂ emission reduction.

■ Objectives of the Meeting

- 1) To review the results of the Phase 1 analysis: an overview of current energy data collection in Thailand and to address the importance of energy efficiency indicators;
- 2) To review the scope of work and work plan in Phase 2 and to come to a common agreement about approach, timeframe and responsibility of each stakeholder.

Energy Data Analysis in Thailand Phase 2: Energy Efficiency Indicator Development

The EEDP is formulated with a target to reduce energy intensity-EI (energy consumption/GDP) by 25% in 2030, compared with that in 2010, or equivalent to the reduction of final energy consumption by 23.5% in 2030 or 38,200 thousand tons of crude oil equivalent (ktoe). In order to be able to set baselines for newly implemented energy efficiency policy, as well as monitor and evaluate new policies, sufficient and accessible energy data is crucial. In order to understand the development of the Energy Intensity (EI) in Thailand – the main objective of the EEDP being a reduction of 25% of Thailand's EI – it is crucial to understand the contribution of different sectors and sub-sectors to Thailand's EI. The sectoral and sub-sectoral influence to Thailand's EI can be measured by monitoring the sectoral and sub-sectoral energy intensities or, in other words, their Energy Efficiency Indicators (EEI).

On the basis of discussions about data availability and accessibility, one of the tasks that had been carried out during April-September 2013 in the TGP-EEDP project was to analyze the existing Energy Data in Thailand. The results of the Phase 1 study will be discussed in the meeting. **As a follow-up of the Energy Data Analysis Phase 1 study, the TGP-EEDP project is initiating a Phase 2 project in order to implement some of the recommendations of Phase 1.** Since Phase 1 concluded that there is good energy and economic data availability in Thailand, **the main aim of phase 2 is to make a start with developing Energy Efficiency Indicators for the industrial, commercial building and residential building sector as well as the transport sector in Thailand.**

■ **Main Objective of the Study (Phase 2)**

To develop Energy Efficiency Indicators (EEI), presented in four databases, for industrial and building sub-sectors (services buildings and residential buildings), as well as transport sector by using the already existing energy and economic data in Thailand.

■ **Scopes of the Study (Phase 2)**

The work for the Thai consultant and the international consultant will contain the following elements:

- 1) To review the results of phase1 and to come to common agreement about approach of phase 2
- 2) To collect energy data, economic and physical data for industrial and commercial and residential sectors from 1982 (or as early as possible) to now and compile the data in a (spread sheet) database.
- 3) To organize workshop (with external participants) to present the interim report
- 4) To discuss and implement calculation formulas that converts the energy, physical and economic data into the relevant Energy Efficiency Indicators
- 5) To guide the stakeholder on how to possibly use the EEI database in the annual energy reporting and policy making

- 6) To organize workshop (with external participants) to present the final report
- 7) Bring together the findings of Energy Data Management project Phase 2 in a concise report with conclusions on how to make use of the EEI in energy efficiency policy making and recommendations of how to continue and expand the EEI for Thailand in future

Schedule of the Meeting

09.00-09.30	Registration	
09.30-09.40	Welcome and opening address	<ul style="list-style-type: none"> ● Mr. Samerjai Suksumek Director-General, EPPO
09.40-10.00	Energy Efficiency Indicators in relation to the EEDP	<ul style="list-style-type: none"> ● Dr. Milou Beerepoot Director of TGP-EEDP, GIZ
10.00-10.05	Photo session	
10.05-10.30	“Overview of Energy Data Analysis Phase 1 study”	<ul style="list-style-type: none"> ● Mr. Karun Pantong Energy Efficiency Engineer, GIZ
10.30-10.50	Coffee break	
10.50-11.50	Part 1: “Proposed content and organisation of the spreadsheet data base”. Part 2: Review of EEI indicators by sector and data required”,	<ul style="list-style-type: none"> ● Dr. Bruno Lapillonne Enerdata, France
11.50-12.20	Q&A	<ul style="list-style-type: none"> ● Dr. Bruno Lapillonne Enerdata, France ● Mr. Monthon Kumpaengseth Moderator, GIZ
12.20-12.30	Final Remarks	<ul style="list-style-type: none"> ● Dr. Milou Beerepoot Director of TGP-EEDP, GIZ
12.30-13.30	Luncheon at “Next 2 Café”	

Remarks: The final presentation and workshop materials will be available for online download

on Monday 17th February 2014 at

<http://www.thai-german-cooperation.info/energy-efficiency-plan.html> or <http://goo.gl/9n3Ylo>