

# CTCN Regional Forum for Asia

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# Assessment of energy efficient street lighting technologies and financing models for Thai municipalities

## Experience

- The technical assistance requested from CTCN included
  1. Comparative techno-economic assessment of energy efficient street lighting technologies
  2. Design of financial mechanism for implementation at municipal level
- The initial request by Thailand was for conducting field data collection and energy saving validation for 30 project in 25 provinces. And in-depth quantitative and qualitative interviews in in 250-300 municipalities were planned.
- After discussion with CTCN and PEA, the scope of the technical study was modified , techno-economic study planned in 4 municipalities and the qualitative and quantitative interviews are planned in the 30 project where energy efficiency measures are implemented.



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- Review and refinement of response plan required more time on account of getting comments and additional inputs.



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# CTCN Response Plan for Thailand iron & steel industry

- Project objective:
  - Prepare a Response Plan on “Benchmark Specific Energy Consumption (SEC) and GHG emissions of energy intensive segments of iron & steel industries of Thailand”
  - Main partners for preparing the Plan: NDE - Energy & Environment Dept. (Ministry of Science and Technology), Project proponent - Iron and Steel Institute of Thailand
- Initial request by Thai NDE was well drafted and clear
- Kick-off meeting (conference call) with CTCN, NDE, Project proponent and TERI was very productive (clear deliverables, responsibilities, timelines etc.)
- Regular interactions with partners and CTCN helped in quickly identifying relevant documents/ past work undertaken in iron & steel sector in Thailand
- Meeting with stakeholders (NDE, CTCN, IIST) in Bangkok to discuss the draft response plan was useful in finalising the contents of RP.



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# Request Incubator Program

Country: Nepal

➤ **Already completed TNA**

➤ **NDE decided to build on TNA**

- Energy sector : Improved cookstoves
- Health sector : Water quality
- Forestry : Short rotation forestry

➤ **Interdepartmental coordination, personnel changes and National Consultation led to revision**

- Energy sector: biomass briquettes
- Forestry:
  - short rotation forestry (Government)
  - Silviculture (Private sector)

➤ **Request for energy sector is submitted**

➤ Request for short rotation has been drafted, awaiting stakeholder consultation

➤ Request on silviculture has not progressed



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# RIP: Experience

- **Slow initiation**
  - Departmental approval process
  - Interdepartmental coordination and capacity
  - Technical Assistance vs Project Implementation
  - Strong preference for project implementation
- **In person communication works better**
  - Substantive progress could be made only during the missions



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# Mainstreaming Gender for a climate resilient energy system in ECOWAS

## Objective

The objective of the CTCN technical assistance is to mainstream gender for a climate resilient energy system in ECOWAS

- Specific focus on
  - Policy support and development
  - Capacity building
  - Knowledge management, awareness & advocacy
  - Investment promotion and business development

## Challenges

- Getting feedback/comments on the drafts takes a longer time than expected, especially on account of the geographical spread and different time zones



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# Experiences in responding to countries

## Technical assistance phase for formulation of the request

- Engagement of international experts with the stakeholder at the national level creates a platform
  - To share relevant international/regional prospective to address the issue at hand
  - To share the best practices/policies /business models adopted in the similar ecosystems to overcome similar challenges
  - To share information on technological advancements/efficient technologies or products available that are market ready
  - Prevents duplication of efforts/reinventing the wheel at the regional level, thereby facilitates leapfrogging and to expedite the transformation process
  - Handholding by International experts facilitates building local capacities of national experts and mutual learning by experience sharing



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*Thank you!*

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