

The Republic of The Union of Myanmar
Ministry of Industry
Directorate of Industrial Collaboration
Energy Efficiency and Conservation Department

Call for National Experts

- Position Title:** National Energy Efficiency Expert
- Organization:** Energy Efficiency and Conservation Department, Directorate of Industrial Collaboration, Ministry of Industry, Myanmar
- Location:** Yangon and Nay Pyi Taw
- Number of Position:** Two
- Contract Type:** External Collaboration Contract
- Duration:** 50 days of on-site work during January 2024 to July 2025
- Closing Date:** 5th January, 2024, 16:00 Myanmar Time Zone
- Applications Detail:** Applications to
Director, EECD, via email eecd.moi@gmail.com
Only short-listed candidates will be contacted for further consultation process.
- Project Title:** Energy Efficiency Pilot Project in Food Processing Sector

Background:

Energy Efficiency and Conservation Department under the Directorate of Industrial Collaboration, Ministry of Industry will establish energy efficiency pilot projects in food processing factories by utilizing Lancang-Mekong Cooperation Special Fund.

Firstly, initial factory assessment will be done in 10 food processing factories. The assessments will include following activities:

- Checking total usage of energy and water in relevant factories
- Necessary measurement will be carried out for machines and equipment along the production line: boiler, air compressor, fan, motor, chiller, pump, furnace, etc.
- Assessment will be reported as in document.
- Awareness Seminar and consultation meetings are necessary to establish with relevant stakeholders especially industrial organizations and factories.

Secondly, after assessments in these factories, 5 out of 10, which have saving potentials and their management side is more cooperative and enthusiastic, will be selected for detail implementation as pilot projects.

Detail implementation will include detail energy audit and implement energy efficiency measures according to the factory assessment's recommendation. The implementation & maintenance cost (amount will be limited according to available project fund) for each factory will be borne by the project. Final report will be issued in terms of energy savings, water savings, cost savings and carbon dioxide emission reduction.

Required Deliverables:

The major outputs are as follows:

- An inception report including a work plan, proposed methodology and analytical framework.
- Draft energy assessment report for each 10 food processing factories.
- Final documentation report for each 5 factories including case studies (the report will be considered final after review by EECD, MOI and Donor (authorities for Lancang-Mekong Project Fund side), several rounds of comments to be expected. Comments will have to be integrated.)

Timeline:

Tentative start date of contract will be 1st January 2024. Proposed end date should not exceed 15th July 2025.

Following are the key activities and milestones with their indicative schedules and work duration:

No.	Activities	Estimated Duration	Working Days
1	Signing of Contract	December 2023	
2	Submission Inception Report	December 2023	
3	Participation in related workshops and Seminar	January 2024 ~ March 2024	2
4	Traveling to select 10 factories for energy assessment	January 2024 ~ March 2024	13
5	Participation in Awareness Seminar 3 times	April ~ June 2024	3
6	Traveling to 10 factories for energy assessment and detail energy audit for 5 factories	August ~ October 2024	22

7	10 Energy Assessment Reports	October 2024	
8	Checking and technical support upon detail energy audit implementation at 5 factories	May ~ June 2025	9
9	Detail energy audit final report with results from 5 factories	June 2025	
10	Explanation on result (Closing Ceremony of project)	July 2025	1
	Total on site working days		50

Budget:

The budget for this contract will be total USD 10,000 for each national expert which is estimated as professional fees for 200 USD per on-site working day equivalent in Myanmar Kyats according to rules and regulation of Myanmar government's rate.

Necessary traveling cost will be covered by the project.

The amount shall be paid as follows:

- 1st payment: 30% upon submission of inception report and approved workplan (within 2023-2024 fiscal year)
- 2nd payment: 50% upon traveling to related factories and submission of energy assessment report and detail audit implementation (within 2024-2025 fiscal year)
- 3rd payment: 20% upon submission of final report. (within 2025-2026 fiscal year)

Coordination:

The two appointed national energy efficiency experts will have to work in close relationship with two international experts/ consultants under the project. The consultants' work will be monitored by EECD -MOI. Project Director against the expected deliverables as indicated in the ToRs in the contract. He/she will work in close relationship with the experts.

Additional Requirements:

Education

Bachelor degree in Engineering and related field. Master's degree in engineering is preferable. Certificate for energy manager, trainer or energy auditor course is an advantage.

Experiences

- At least 5 years working experiences in energy efficiency, energy management and energy audit and related fields.
- Experiences in reporting, documentation for energy assessment field.
- Relevant experience, preferably prior working experience international organization and factories in Myanmar.
- Ability to synthesize and write clearly.

Ethical standard

- The expert should take all responsible steps to ensure that the product demonstrates respect and protect the rights and welfare of the communities of respondents (related food processing factories).
- The expert will have the final responsibility for the quality of the report and the compliance with deadlines.

How to apply

National energy efficiency experts may apply. Interested candidate/ expert is required to submit the following documents to Director for Energy Efficiency and Conservation Department through email at eeed.moi@gmail.com on or before 5th January, 2024 16:00PM. Subject line for application: “EE Expert_ Energy Efficiency Pilot Project in Food Processing Sector_ Lancang-Mekong Cooperation”

- Curriculum vitae
- Application letter which must clearly state the previous experiences related with documentation of case studies, learning/ success stories and link to sample similar or related output from previous work
- Provide references’ agency names and contact details.
- Availability to conduct the assignment