



Recruitment Notice

Energy Efficiency and Load Forecast Expert

Company Overview

Asia Clean Energy Partners Limited (ACE Partners) is an international advisory firm dedicated to accelerating clean energy deployment. With a focus on Asia and the Pacific, ACE Partners provides consulting and advisory services to guide public and private sector clients toward achieving their clean energy objectives.

Our services include research on policy and regulatory issues, communications, knowledge management and stakeholder engagement support, and advisory work on clean energy technologies, finance, and project execution.

Summary of the Role

The USAID Southeast Asia Smart Power Program (SPP) aims to enhance energy security in Southeast Asia by creating open and transparent energy markets, promoting energy trade, and transforming the energy sector to improve access to clean, reliable, affordable energy. SPP will support US climate priorities in the ASEAN region to enhance global action for near-term reductions in greenhouse gas emissions and net-zero global emissions by mid-century. The activity will focus on achieving technical and policy objectives including improved performance of energy utilities; increased deployment of advanced energy systems; and enhanced energy trade and integration.

To accomplish its objectives, the following broad Tasks will be undertaken under SPP:

- Southeast Asia Power Utility Modernization
- Energy Efficiency: Southeast Asia's Energy Security Cornerstone
- Southeast Asia Energy Innovation and Emerging Trends
- Southeast Asia Center for Competitive Procurement
- Southeast Asia Power Trade and Grid Integration
- Assess and Optimize Natural Gas System Performance

ACE Partners is sub-contracted over the next five years by the lead contractor, Deloitte Consulting LLP, to help deliver on SPP activities through Short-Term Technical Assistance in support of the Energy Efficiency task above (Task 2), and other cross-cutting activities. The scope of work allocated to ACE Partners largely focuses on its in-house expertise in energy

efficiency and advanced energy systems in Southeast Asia, with illustrative activities expected as part of the assignment to include:

- delivery of technical assistance around utilities' demand response (DR) program and electric vehicle (EV) load forecasting
- assessing current strategy and gap analysis of the DR program implementation, communication and engagement strategies with customers
- analyzing the types of DR participants and the factors influencing their decision to participate
- data collection via desktop study and focus group methods
- designing EV forecasting methods, forecasting framework, analyze the impact of EV penetration on the distribution grid
- analyzing EV impact mitigations and management measures
- developing technical and economic impact studies when applying smart charging
- delivery capacity building about grid modernization implementation, including Advanced Distribution Management System (ADMS), Distributed Energy Resource Management System (DERMS), energy demand management by DERMS platform, advanced metering infrastructure (AMI)
- regional network development
- development of strategic communications strategies and materials
- complex stakeholder engagement, including development and management of networks, platforms, and outreach activities at a national or regional level, that build awareness of, support for, and ultimately action on SPP-related initiatives.

Accordingly, ACE Partners now seeks a full time Energy Efficiency and Load Forecast Expert to support this program of work, based in Bangkok. This position is open only to Thai nationals and/or ASEAN nationals with the right to live and work in Thailand.

Key Responsibilities

The main tasks of the Energy Efficiency and Load Forecast Expert will include but not be limited to the following:

Research and Technical Analysis

- As an integral part of Deloitte's SPP Task 2 team, the Expert will reach out to and develop connections with relevant stakeholders and clients to understand their specific needs, with the aim to design insightful clean energy research and knowledge products.
- Carry out research and analysis covering demand response and EV load forecasting, policies, financing initiatives, and institutional mechanisms, with the aim to feed into findings and recommended program activities, provide understanding and insight for clients.

- Conduct research, analysis and writing to support preparation of research briefs, documents, and reports prepared for clients or for public distribution.

Communications and Partnerships

- Carry out data and market research as well as outreach activities to support hosting of industry and practitioner workshops, consultations, liaison with governments, and building of partnerships with, companies and organizations working on clean energy issues in Asia and to related stakeholders active on demand response and EV load forecasting issues.
- Update program communications, including project websites, social media posts, press releases, blogs, news items, emails, and other electronic communications.

Minimum Qualification Requirements

Previous work experience with technical assignments in the power sector and the energy sector more broadly, including energy efficiency, is essential. This experience must include demand side management, utilities' demand response programs and load forecasting, either conventional or emerging EV loads at any level (such as national, high voltage, medium voltage levels), . Experience working with a range of utilities, private sector, non-profit, and/or government actors in Southeast Asia will be helpful to successfully carry out the work, and prior experience with USAID projects is preferred. In terms of academic studies, the candidate should preferably have an advanced university degree in energy, economics, engineering, physical or social sciences, or a related field, with international experience in the field of energy, engineering, or a related area.

- Minimum Related Experience: 5-8 years
- Technical Experience: CYME, Synergi Electric, DigSILENT, and EcoStruxure (advantage)
- Regional/Country Experience: Experience in Asia required, and experience specifically in Southeast Asia is strongly preferred.
- Language: applicants must be able to converse professionally and write technical reports in English. Knowledge of other ASEAN languages will be an advantage
- Citizenship: This position is open to Thai nationals and/or ASEAN nationals with the right to live and work in Thailand.
- Location: Applicant must be based in Bangkok.

Reporting: The Expert will be employed by Asia Clean Energy Partners with a cross-report to the **SPP's Objective 3 Lead**.

Start Date: As soon as possible

How to Apply: Please submit your application in the form of a CV and cover letter to info@asiacleanenergypartners.com by **15 October 2023**.