

The German government owned Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH supports the German Government in achieving its goals in the field of sustainable development. As a leading implementer for technical cooperation projects, GIZ acknowledges that digitalization is changing the way the development sector operates. For our activities in the field of renewable energy we are currently looking for a

Energy Data Analyst (m/f)

Context

Thailand's energy sector is starting to transform from conventional centralized to distributed & cleaner energy generation and supply. Innovative technologies have emerged and will change the way the energy sector operates. Climate change puts considerable pressure on Thailand's energy sector as it contributes to 73% of total Thailand greenhouse gas emission in 2012. Thailand has committed to significantly reduce greenhouse gas emissions by 2030 and the energy sector must lead the way. Increased deployment of renewable energy and energy efficiency is key.

The Energy Data Analyst will support the GIZ Energy team in Bangkok, precisely, the Thai-German Climate Programme: Energy (TGCP-Energy). TGCP-Energy is a support project for the Policy and Strategy Coordination Office (PSO), Ministry of Energy who is aiming to raise the quality of provincial energy planning processes. The team of international and national experts provides solid methodology, innovative tools and guidance to improve energy planning capacities. TGCP-Energy is implemented by GIZ together with PSO, the main political partner. The project started in January 2018 and will continuously operate until December 2021.

Two innovative digital tools will be developed to which the Energy Data Analyst will contribute. One is a provincial energy system modelling tool and an integrated provincial energy planning platform. Both of these tools aim to raise the capacities in Thailand for provincial energy planning.

Tasks:

The Energy Data Analyst contribute to developing an energy system modeling tool, he/she

- conducts research on energy system modeling tools and applicability in Thailand
- defines technical specification & features of the provincial energy system modeling tool together with relevant stakeholders and users
- analyzes data gap between existing energy database and input required for the modeling tool
- steers consultants contracted to develop the provincial energy system modeling tool (i.e. set milestones, review quality of deliverables, etc.)
- is the focal point for the projects milestones
- supports Chiang Mai University in using the energy system modelling tool to generate provincial energy scenarios (i.e. review of deliverables, analyzing results, etc.)
- supports conduction of training to provincial energy office in using of energy system modelling tool
- supports the project partner in conducting trainings on using of the provincial energy system modelling tool and the integrated provincial energy planning platform
- supports development of a policy recommendation on enhancing of energy data collection and processing in accordance with Monitoring, Reporting, and Verification (MRV) framework / requirements

The energy data analysis also contributes to the development of the Integrated Provincial Energy Planning Platform. He/she

- provides technical advice and input to developing the platform
- contributes to the conceptualization of the platform including data structure, visualization of data, design of user-friendly interface
- steers an IT consultant who is contracted to develop the IPEPP (i.e. review of deliverables, quality control, test run, etc.)
- supports the provincial energy office in analyzing energy data and provincial energy scenario in drafting appropriate and realistic provincial energy action plan (i.e. set targets, define activities / projects, etc.)

General Project Support

- coordinates closely with Ministry of Energy and other relevant stakeholders who will be end-users of the provincial energy system modeling tool and the integrated provincial energy planning platform to collect necessary information, needs, requirements including their expectations on the tools
- supports in producing project documents (e.g. progress report, presentations, etc.)
- supports in contracting consultants to support TGCP-Energy on certain tasks
- supports other activities as needed

Qualifications

- Bachelor or Master degree in mathematics, statistics, computer science, engineering or economics (or other degree with relevant practical experience eligible for application)
- Experience and knowledge on data base or data management system development.
- At least 3-5 years of professional work experience in the energy sector (experiences on energy system modeling, energy statistics, or energy data analysis and policy are an asset)
- Ideally familiar with MRV frameworks
- Great at data visualization and capable to design user-friendly interfaces
- Good analytical skills
- Excellent communication skills in English and Thai (required)
- Ability to work independently while in good coordination with the team
- Eager to learn and willing to adapt
- Proactive and able to work under pressure

The position is based in Bangkok. Frequent travel upcountry is to be expected. Compensation will be competitive and in line with local standards.

Please submit your application including a letter of motivation, CV and supporting documents to chattayada.pattaragulwanit@giz.de. The deadline for applications is June 15, 2018. Only shortlisted candidates will be contacted.

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