

Call For Bids

Terms of Reference: Electric Cooking Research Project in Uganda

Access to Energy gGmbH (A2E) is a non-profit collaborative research institute in the energy access sector that works on multiple data-driven topics related to the remote monitoring of appliances. A2E collects real data direct from users and publishes this data in an open-source fashion, allowing the sector to better understand appliance demand by users.

A2E is seeking a local partner to implement a research project on electric cooking conducted over 18 months with 500 households in the greater Kampala metropolitan area. A2E is soliciting proposals from qualified organizations to implement the project.

Project Description

The project is a research project to study the utilization of electric cooking appliances in households and shall take place over 12 months and be conducted with 500 households in the greater Kampala metropolitan area. Households that participate in the project will receive electric cooking appliances and smart meters that are used to capture real-time data on the appliance usage. Throughout the study, the participants will be surveyed and will receive reimbursements for their electricity consumption based on their overall appliance utilization.

The primary objectives of the project are to:

- Assess the pre- and post-pilot awareness of electric cooking appliances amongst households participating in pilots conducted by partner organizations
- Quantify the energy demand for electric cooking in households and evaluate variables that stimulate or depress demand, such as demographic factors, awareness of electric cooking appliances, availability of alternative fuels, the appliance model, and the price of electricity
- Develop practical recommendations for stakeholders to increase the adoption of electric cooking appliances and assess the social return on investment of realizing these recommendations

The outputs of the research project are expected to be:

- Publishing of at least one academic-quality research paper
- Presentation of the results to conferences and online webinars
- Publishing of a paper focused on policy and regulatory recommendations
- Publishing of a paper focused on market recommendations

The desired outcomes of this project are:

- To empower private sector, government, and international stakeholders with information that enables them to more efficiently and quickly increase the adoption of electric cooking appliances in Uganda

Role of Implementing Organization

The implementing organization shall be responsible for:

- Smart meter installation: sensitizing users to smart meters, obtaining user consent for data sharing, retrieving and relocating smart meters from households



- Participant management: maintaining a list of study participants, contacting participants as necessary, representing project to participants
- Survey and intervention design: developing surveys and interventions (e.g. user training modules), drafting implementation plans
- Survey and intervention implementation: executing surveys and other user interventions, data collection, data management and quality control, data analysis
- Knowledge management: maintaining documentation of project activities
- Project analysis: analyzing data in line with project objectives
- Project reporting and results publishing: developing content for papers and webinars
- Local advocacy: promoting the project results within Uganda

Qualifications of Implementing Organization

The ideal implementing organization will have a track record of executing research projects in Uganda related to electric cooking and energy access and have published results related to those projects. The organization will have a strong local network and relationships with organizations working on clean energy and cooking related topics. The organization shall be led by an experienced team and deliver timely results within budget.

Proposals will be evaluated on the following criteria:

| Criteria | Description of Ideal Candidate | Weight |
|---|--|--------|
| Experience with Energy and Cooking Projects | Past experience: <ul style="list-style-type: none"> • Conducting studies on electric cooking or clean cooking • Managing enumerators and implementing surveys with many participants • Installing and utilizing remote monitoring devices • Publishing results from studies | 50% |
| Network | Past experience: <ul style="list-style-type: none"> • Collaborating with international organizations to conduct research projects • Promoting findings within the Ugandan energy sector • Working with local organizations such as government agencies | 10% |
| Organization and Team | Organization: <ul style="list-style-type: none"> • Registered organization with experience in the energy sector in Uganda Team composition: <ul style="list-style-type: none"> • Experienced senior management team • Suitable operations team for managing smart meters and conducting surveys | 20% |
| Value for Money | Budget: <ul style="list-style-type: none"> • Achieves results cost-effectively | 20% |

Application Procedure

Organizations interested to apply shall submit proposals to Stefan.zelazny@a2ei.org by January 31, 2023. The proposal shall consist of a cover letter, a completed proposal form, examples of past work, CVs of core team members, and a budget. The full proposal template is attached. Successful bids shall be contacted. Unsuccessful applicants will be informed no later than February 15, 2023.



Application Template

Part 1: Cover Letter

Please address a cover letter stating your organization's application to:

Access to Energy gGmbH
Paul-Lincke-Ufer 8D, 10999
Berlin, Germany

Part 2: Main Body

| | |
|----|---|
| Q1 | Describe your previous experience with research projects related to clean cooking or electric cooking. Please clarify: <ul style="list-style-type: none"> • Experience with managing enumerators • Experience remote monitoring devices • Experience publishing results • The size of the projects (duration, budget, number of households) |
| Q2 | Describe your connections in the energy access space in Uganda. Please clarify: <ul style="list-style-type: none"> • Prior engagements and collaborations with international organizations • Prior engagements and collaborations with local organizations, especially government agencies • Prior experience promoting work within the Ugandan or international energy sector (ex: participation in conferences, webinars, panels, workshops, etc.) |
| Q3 | Please provide a description of your organization and the key personnel. Please specify: <ul style="list-style-type: none"> • The organization's mission or vision • Organization's registration status and year of registration • Total personnel headcount • Positions and profiles of 2 team members who would operate on the project |
| Q4 | Please provide a high-level budget for the project. The budget should be planned for 12 months and include: <ul style="list-style-type: none"> • Expenses for enumerators to visit 500 households 3 times each • Expenses for a training of 200 households 1 time • Expenses for core team members • Any expenses for communications and hardware • Any other overhead expenses • A brief narrative of the project |

Additional Documentation

Please provide:

- CVs of the any team members identified in the application
- Samples of past work, including published papers
- Draft budget in Excel format

To meet the deadline for this proposal it is sufficient to pre-send all documents in digital form to: Stefan.zelazny@a2ei.org until 31st of January 23:59 EAT.

