



Call for Consultant – Driving Local Solutions for Energy Transition at State Level - Gombe State

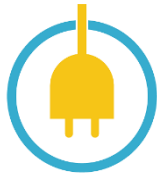
Background:

Nigeria faces challenges of inadequate and unreliable energy supply, particularly in rural communities, affecting livelihoods, limiting economic opportunities, and hindering trade and agricultural productivity. Women bear the brunt of the energy deficit burden. To address the energy deficit challenge in off-grid rural communities, the Federal government through the Rural Electrification Agency (REA) with support of development agencies like the World Bank and the African Development Bank (AFDB) have been rolling out renewable energy projects. These have mainly been solar hybrid mini-grids for communities, Solar Home Solutions (SHS) and productive use of renewable energy (PURE) technologies.

While PURE solutions have rapidly spread in availability, it remains the case that even where solar mini-grids are available in communities, most operators of electric powered agro-processing machines refuse to connect to these mini-grids, as they still prefer diesel powered machines, and/or other unsustainable practices like open sun drying or the use of firewood. In addition, access to funding and concerns regarding technological suitability continue to pose significant challenges, especially for women. Therefore, there is substantial scope to amplify PURE solutions given the persistent need to energise local rural productive sectors such as agriculture where over 70% of activities are women led, producing over 70% of labour employment.

Moreover, the vast majority of the public renewable energy initiatives are largely Federal Government initiatives. Local and state governments need to be more involved in renewable energy project planning and execution. At the community level, community actors also need to be brought into the energy transition and energy poverty eradication discourse more closely.

Clean Technology Hub, with the support of Heinrich Boell Foundation, is addressing all three problems of rural energy poverty, community and state government passivity, and women-focused productive use of energy action. This project will explore how a cooperative based approach could improve the adoption of renewable energy at the community level, particularly for women across the agricultural value chain.



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Clean Technology Hub is a not-for-profit organisation based in Abuja. It is one of the pioneer hybrid hubs for the research, development, demonstration, advocacy and incubation of clean technologies for increased energy access and improved climate resilience in Nigeria.

CTH is poised to embark on the next set of activities to further advance renewable energy initiatives in Gombe state. The goal is also to identify the potential and challenges of RE local solutions, and propose policy recommendations and best practices for scaling up RE local solutions in Gombe states, with a focus on Productive Use of Energy and through establishing Gender-Based RE Cooperative.

Position Overview:

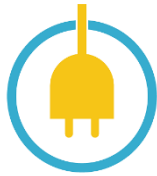
Clean Technology Hub is seeking a consultant to support the implementation of the “Driving Local Solutions for Energy Transition at State Level” project. The consultant will provide strategy and management support to do the following:

- Work closely with Clean Technology Hub and state level working groups for a scoping study to collect and analyse primary and secondary data from government reports, smallholder farmers, academic papers, surveys, interviews, and field visits, using qualitative and quantitative methods.
- Work closely with Clean Technology Hub and state level working groups to conduct a 1-day review meeting in Gombe state with communities to present and validate results and recommendations of the scoping study.
- Support training activities for women to build RE cooperatives and access financing and technologies for Productive Use of Energy.

Principal Duties and Responsibilities

The consultant will be responsible for the following:

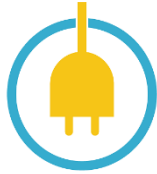
- Assess the current agriculture and energy status, community women energy needs, the level of awareness and perception of RE by these women, the challenges, and opportunities of renewable energies in the agricultural sector, access to Productive Use of Energy (PUE) equipment and challenges faced by women to access reliable power for their agricultural businesses/activities.



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- Identify gaps in local RE projects in Gombe State and their gaps in impacting the lives of women.
- Identify stakeholders in the technical and financial field like NGOs, private sector players, microfinance institutions and RE-investors who should be part of the follow up capacity building phase.
- Identify cooperative and community based projects that have worked and understand their success factors as well as funding systems to see how RE can be infused into such a system.
- Facilitate training for women smallholder farmers and SMEs in Gombe State on PUE and RE cooperatives.
- Drafting of the renewable energy roadmap for Gombe state: This will involve working closely with Clean Tech Hub and the state level working groups and key ministries – Gombe State Ministry of Energy and Gombe State Ministry of Environment to develop an outline, obtain relevant and accessible documents from government ministries, as well as identify key areas of focus for driving renewable energy adoption in the state.
- Facilitating state-level engagements: This will involve providing state-level engagement support with government agencies, key stakeholders, gatekeepers, and other relevant stakeholders (including permanent secretaries, commissioners, office of the governor) across key departments and agencies.
- Develop strategies and messaging to ensure the commitments expressed by state government and other relevant stakeholders to take actions that accelerate renewable energy adoption for the women cooperative and women RE groups.
- Development of sensitization materials – RE factsheet and media content for RE in Gombe State; produce educational materials, factsheets other public awareness tools which will be used to make a case to incoming politicians and policymakers on the need to continue their support of the Gombe State RE roadmap and support a legislative framework for renewables.
- Identification of key legal provisions for RE deployment in Gombe; identify key legal provisions that ought to be in place for renewable energy expansion in context of ongoing legislative processes/ existing law in Gombe State. Findings will be published in a report.



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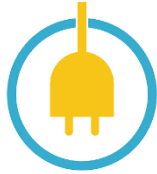
Expected Deliverables

The consultant will deliver the following deliverables to Clean Tech Hub during the course of the project

- A detailed work plan and methodology to be used for the project duration
- The renewable energy roadmap document for Gombe state (About 25-40 pages)
- A primer for the roadmap document – a short infographic summary of the roadmap developed (8-10 pages)
- One training session (and 5-page post-training report) for women smallholder farmers, women-led MSMEs, and women-led cooperatives. Final Report, presentation and other related files developed (Final Report should be not more than 15 pages).

Competencies

- **Research** – ability to synthesise and pull out the implications of existing research in the sector especially at the state level
- **Project Management** – ability to keep a multi-disciplinary team on track; create a project management process and methodology for tracking progress
- **Data collection and interpretation** – ability to understand what data we have, what we need and how to fill the gaps necessary for the implementation of the project
- **Strategy Development** – can absorb new information and tee up strategic choices quickly; an inquisitive mind focused on addressing the root causes of problems and building interventions to address them. Anticipates future opportunities and consequences, demonstrates an innovative approach to work, ability to organise multiple ideas into a coherent plan. Uses feedback to quickly improve on work and produce an updated product.
- **Communication:** Excellent interpersonal abilities; excellent listening skills; writing and verbal skills; able to present ideas to a range of stakeholders in a clear and compelling manner.
- **Team-work:** Leverage functional and substantive expertise organizationally; demonstrates inclusiveness, collaboration etc.
- **Execution:** Meets deadlines; sense of urgency, responsibility, and self-motivation; ability to multitask and work under pressure; detailed oriented



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- **Decision-making:** Ability to evaluate risks and opportunities; uses analytical and problem-solving skills; takes initiative and drive for results; able to prioritise and recommend courses of action.
- **Partnership and Relationship Building:** Strong professional representation of the Foundation, intercultural knowledge and appreciation, strategic partnership building.
- **Leadership:** Thinks innovatively and creatively; demonstrates accountability and personal drive
- **Diversity, Equity and Inclusion:** Committed to promoting inclusion, equity and diversity in every aspect of your work, and to challenging conventional wisdom through evidence and reason as well as amplifying dissenting, unconventional and marginalised voices.

Technical Qualifications

- At least a Masters degree in a relevant discipline.
- At least 5 years relevant work experience in agriculture, decentralised renewable energy and policy formulation, with strong preference for those with research, management, consulting or equivalent experience.
- Understanding of the energy and political landscape of Gombe State.
- A demonstrated ability to manage strategy development and execution.
- Content experience with distributed renewables, state level policy formulation, agricultural systems etc.
- Strong project management skills.
- Demonstrated ability in presenting complex strategic options to decision makers, strong communication skills.

How to Apply

Email the following documents to admin@cleantechnologyhub.org (copy d.bardeson@cleantechnologyhub.org) on or before 14th May 2024.

- CV (max 3 pages)
- Cover letter
- At least 1 sample of previous work (or links to articles/papers/reports written on the subject of RE, PURE and/or cooperatives)