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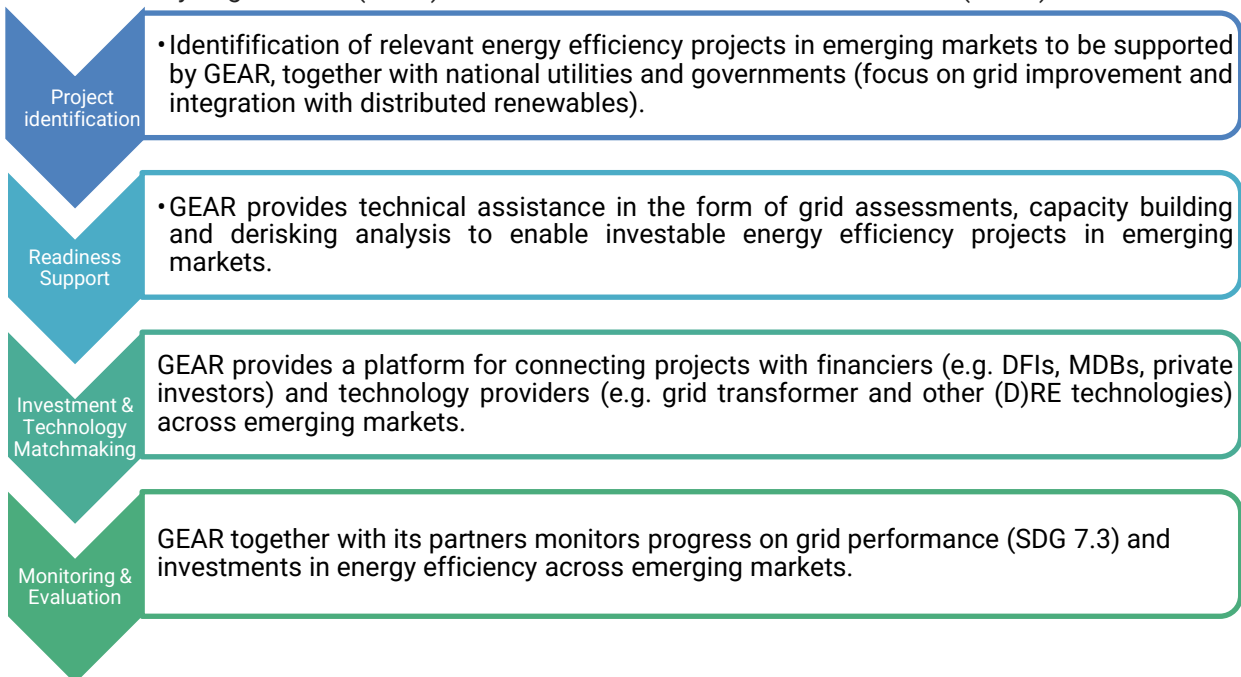
Terms of Reference: “Expert to identify energy efficiency and distributed renewable energy grid integration projects in Lusophone emerging markets”

1. Background information

The “Grid Efficiency and Resilience” (GEAR) is an international initiative focused on electricity grid maintenance and efficiency improvements in emerging markets. The aim of GEAR is to maximize the amount of electricity delivered to end-users accelerating socio-economic development without increasing emissions.

GEAR co-identifies energy efficiency projects with utilities and governments, provides technical assistance in the form of grid assessments, capacity building and de-risking analysis to utilities, policy makers and regulators to increase the efficiency, reliability and resilience of electricity grids in Sub-Saharan Africa, South- & South-East Asia and Latin America & the Caribbean. GEAR then makes investment-ready projects with finance and technology providers. Lastly, GEAR liaises with private sector to leverage the latest state-of-art knowledge, technologies and access to finance for efficiency projects.

GEAR is managed by the Alliance for Rural Electrification (ARE) and founded by the International Copper Association (ICA), the International Energy Agency (IEA), SEforAll, UNIDO, United 4 Efficiency (U4E), African Forum for Utility Regulators – (AFUR) and Association of Power Utilities of Africa (APUA).



2. Objectives

The objective of this assignment is to support the “Project Identification” phase of GEAR in Lusophone countries across Sub-Saharan Africa and Latin America & the Caribbean by co-identifying relevant energy efficiency and distributed renewable energy grid integration projects with utilities that will improve electricity grids if supported.

3. Scope of work

GEAR is seeking **an expert that will liaise with national utilities and governments from Lusophone countries to identify energy efficiency projects for GEAR**. Additionally, the expert, in close collaboration with ARE, will identify and liaise with key private sector companies and investors engaged in grid efficiency projects in Lusophone emerging markets to scope the latest state-of-art knowledge, technologies and access to finance for efficiency projects and the companies’ interest in collaborating with ARE and its partners on the GEAR initiative.

Key target countries for the assignment include Angola, Brazil and Mozambique.

The outcome of the assignment will be the identification of **at least three projects** that match the above criteria and that could be offered technical assistance by GEAR.

The projects should be presented in a final report in English of up to eight pages (excluding annexes), structured as follow:

- Overview and summary of engagements conducted with national utilities and governments from Lusophone countries and key outcomes of exchanges (1 pages)
- Overview and summary of engagements conducted with private sector involved in grid efficiency projects and key outcomes of exchanges (1 pages)
- Projects summary per energy efficiency project identified, including the envisaged GHG mitigated climate adaptation potential, technical assistance and investment needs of the projects (up to 2 pages per project, up to 6 pages total)
- Annex 1: Summary of meetings and contact list with organizations, names and email addresses for all stakeholders liaised with from governments and private sector
- Annex 2: Details for each of the energy efficiency projects identified

The deadline for submission of this final report is **3 November 2023**.

4. Required documents

Bidders are required to submit the following documents to Jens Jæger, Director of Policy & Business Development, ARE & Lead, GEAR: j.jaeger@ruralelec.org

- a. **Technical proposal** of maximum three pages on the proposed methodology, timeline for delivery of materials and experience of the expert(s) in delivering similar trainings
- b. **Financial proposal** of no more than 1 page (in USD)
- c. **CV** of the expert(s) in format of choice.



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5. Timeline

The deadline for submissions of proposals is **30 June 2023 (23:59 CET)**.

The selected expert(s) will be contacted by **mid-July 2023**.

The assessment is envisaged to be concluded **by 3 November 2023**.

6. Fees

The selected expert(s) will be paid a service fee for the delivery of services.

The fees quoted in the financial proposal are all-inclusive and not subject to change during the course of the assignment.

7. Payment schedule

Payments to the selected expert will be made along the following schedule:

- 20% upon signature of contract
- 20% upon submission of interim report
- 60% upon submission of final report

Payments will be payable within 60 days upon receipt and acceptance of deliverable and invoice (electronic version) indicating the contract number and instalment requested.

