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## TERMS OF REFERENCE

### KITCHEN PERFORMANCE TEST (KPT)

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## BACKGROUND

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- From 2014 to 2017, GERES will lead a development project aiming at catalyzing the Improved Cookstove (ICS) sector in Myanmar through an integrated approach to achieve a high added-value for the local private sector, product quality control, improved access to ICS markets, and informed decision making at the policy level.
- Specifically, the Action will contribute to the switch to sustainable consumption patterns and behavior by providing biomass fuel consumer groups in Myanmar with improved market-based access to quality Improved Cookstove (ICS) products. This will be achieved through fostering local production and distribution of affordable, locally appropriate and standardized improved cookstoves by entrepreneurs in Myanmar; as well as targeted, gender-sensitive promotion and marketing. The Action will also help create conditions needed to further develop the sector by supporting the establishment of national testing and stove development facility with the mandate to provide regulatory and quality assurance support.

## OBJECTIVES

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- In the framework of the project, fuel consumption studies will be implemented in order to characterize the baseline fuel consumptions before the project intervention and access the fuel reduction after introducing the improved cookstove.
- Study shall be implemented following the Kitchen Performance Test (KPT). The KPT is an international procedure to evaluate household fuel consumption. The version 3.0 of the procedure was developed by the Household Energy and Health Program of the Shell Foundation<sup>1</sup>. It is composed of one qualitative survey and one quantitative survey.
- The qualitative survey aims at identifying basic social, economic and cooking information of households. In addition, it is also used to identify families willing to participate in the quantitative survey.
- The qualitative survey aims at measuring fuel consumption before and after the introduction of the improved cookstove. It includes the following 3 steps:
  - Measurement of the fuel consumption with the traditional stove: done during 5 days (week days)
  - Introduction of the new stove: train the families on how to use the new stove, the stoves will be left to the families during 2-3 weeks
  - Measurement of the fuel consumption with the new stove: done during 5 days (week days)
- Build capacities of the GERES team in order for them to conduct KPT by themselves in the future.

**GERES is looking for ONE INTERNATIONAL EXPERT with proven experience with KPT to be contracted for the implementation of 3 set of KPTs for fuel reduction assessment (measurement before and after a new stove introduction for each set of KPT)**

## CONDITIONS

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### STUDY LOCATION

- The 3 sets of KPT (before and after introduction of a new cookstove) will be conducted in 3 different areas:
  - Rural areas
  - Peri-urban areas
  - Urban areas

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<sup>1</sup> <http://cleancookstoves.org/binary-data/DOCUMENT/file/000/000/83-1.pdf>



In collaboration with the Consultant, the GERES team will facilitate the selection of the study locations and Household selection.

## **SAMPLE SIZE**

For each set of KPT/area, the sample size shall be:

- Qualitative survey: 100 households
- Quantitative survey: 60 households

## **SAMPLING METHODOLOGY**

- Household should be selected randomly
- Each set of KPT shall Paired-sample method shall be used

## **EQUIPMENT**

- Improved cookstoves will be provided by GERES

## **MEASUREMENT INSTRUMENT**

- The GERES team will purchase all the necessary measuring instrumentation (scale, moisture meter,...) following the recommendation of the consultant

## **TECHNICAL SUPPORT**

- The selected expert shall design, plan, closely follow up the implementation of the KPTs and proceed to the data analysis and report study writing.
- The selected expert shall introduce the general concept of KPT to project team and train them for proper implementation. The team members shall be able to conduct a KPT by themselves at the end of the consultancy.
- A focal point within GERES team will be appointed to facilitate the communication with the consultant. The consultant will provide support remotely and directly on the field in Myanmar.

## **TRANSPORTATION & LIVING COSTS**

- The field expenses in Myanmar of the consultant will be covered according to GERES' International Travel Policy (Real expenses for transportation and accommodation + Per diem). The consultant shall estimate the number of days to be spent in Myanmar in his proposal.
- International travels (plane tickets) will be covered by the consultant and should appear in the budget.

## **GERES CAPACITIES**

Geres will put at disposal of the study the following resources:

- 3 field Staffs (including a focal contact point).
- Vehicles: 1 car (pick-up) and 2/3 motobikes

## **DELIVERABLES**

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### **QUALITATIVE SURVEY:**

- Hard copies of interview's questionnaire
- Data base of qualitative survey (Microsoft Access)
- Excel spreadsheet of KPT results and analysis report.

### **QUANTITATIVE SURVEY:**

- Hard copies of recording sheets
- Data base of quantitative survey (Specific Microsoft Excel spreadsheet will be provided by GERES)



Data entry of the surveys will be processed by the GERES team according to the consultant training.

**Interested experts are encouraged to apply as soon as possible, by submitting no later than 15th July 2016 (date updated the 27/06/2016) , COB, the following:**

- Technical proposal including:
  - Proposed approach and study design
  - Timeframe and earliest estimated starting date
  - Similar experiences in conducting KPT especially in the Myanmar or South East Asian context.
- Financial proposal including a detailed budget for the proposed activities.
- International Consultant Resume

**Interested experts are encouraged to apply as soon as possible, as selection would be made on a rolling basis**

**EuropeAid/133608/C/ACT/CAI**

The SCALE Project is funded by the European Union, and implemented by GERES in cooperation with the Ministry of Environmental Conservation and Forestry of the Republic of the Union of Myanmar, EverGreen Group, ENERGIA, Improved Cookstove Producers and Distributors Association of Cambodia, and Mercy Corps.

## **CANDIDACY**

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**To apply, register your candidacy on the following web page:**

<http://job.geres.eu/?action=ref&id=4>

**Or go directly on our website [www.geres.eu](http://www.geres.eu), within page *About us / Recruitment*, select “TOR Kitchen Performance Test”, and apply on line.**