

**Request For Quotation And**

**Application For Round Robin Participation**

**Due: 11:00am Et September 15th, 2023**

**Iso Stove Testing**

The United Nations Foundation’s Clean Cooking Alliance is seeking quotations for service from qualified testing laboratories to perform [ISO 19867-1:2018](https://www.iso.org/standard/66519.html?browse=tc); Harmonized Laboratory Test Protocols; Part 1: Standard test sequence for emissions and performance, safety and durability, and report the findings according to [ISO/TR 19867-3:2018](https://www.iso.org/standard/73935.html); Harmonized Laboratory Test Protocols; Part 3: Voluntary performance targets for cookstoves based on laboratory testing. These services will be part of participation in a year-long Round Robin program.

**Background of Organization:** The Clean Cooking Alliance (CCA) works with a global network of partners to build an inclusive industry that makes clean cooking accessible to the three billion people who live each day without it. Established in 2010, CCA is driving consumer demand, mobilizing investment to build a pipeline of scalable businesses, and fostering an enabling environment that allows the sector to thrive. Clean cooking transforms lives by improving health, protecting the climate and the environment, empowering women, and helping families save time and money.

**Overview of Program:** Selected testing laboratories from this Request For Quotation (RFQ) will be part of the second cohort of CCA’s ISO Round Robin Testing Program. The goal of the round robin testing program is to (1) deepen the capacity of testing centers and ensure that they are harmonized in their abilities, so that stakeholders receive similar results regardless of where in the world they send their stove to be tested, (2) build a co-created community of practice among the participating testing centers, and (3) generate ISO testing data for the Clean Cooking Catalog.

**Program Requirements:** This Program will require labs to complete three synchronized rounds of testing over 12-18 months. Synchronized testing involves all labs testing the same stove and fuel combination, with identical pots, over the same period of time.

Participating testing laboratories should expect to attend an initial five-day in-person training workshop (CCA will directly cover travel and lodging and reimburse meal costs for one participant per testing lab), attend three cohort-wide virtual calls of 60-90 minutes each per round, and separately submit their calibration and fuel analysis data, first testing replicate, full testing data, and final testing report to CCA for each round of testing.

Once selected testing centers are contracted, CCA will provide an initial disbursement for calibration gases and other supplies/equipment/materials needed to begin testing, and then pay for each round of testing upon receipt and approval of the final testing report for that round.

**Projected Timeline of Testing Activities**

**Month 1:**

* CCA notifies selected applicants, and finalizes contracts with testing centers
* CCA coordinates stove/fuel/pot shipments to testing centers

**Month 2:**

* In-person workshop to train or refresh testing centers on ISO testing protocol
* Testing centers conduct calibration activities, receive stoves, and begin practice tests with locally available fuel

**Month 3 (likely January 2024):**

* First round of testing begins:
  + All testing centers attend group call to discuss stove operating procedures
  + Calibration and fuel analysis data due to CCA
  + First test replicate data due to CCA
  + All testing centers attend group call to discuss first replicate data to review any variation between labs

**Month 4:**

* First round of testing (cont.):
  + Full testing data (all 5 replicates) due to CCA
  + All testing centers attend group call to discuss full data submitted and any outliers

**Month 5:**

* First round ends with testing centers submitting full testing reports to CCA

**Repeat Months 3 through 5:**

* Round 2 – Months 6 through 8
* Round 3 – Months 9 through 11

**Following Month 11, additional testing may be funded using locally available stoves.**

**Lab Information**

1. Name and Location (City, Country) of Lab:
2. Laboratory Contact Information for stove shipping:

Name (Prefix, First, Middle, Last, Suffix):

Position/Title:

Organization Name:

Department:

Mailing Address:

Phone:

Email:

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Signature and Date

1. Person Authorized to Sign Contracts/Agreements:

Name (Prefix, First, Middle, Last, Suffix):

Position/Title:

Organization Name:

Department:

Mailing Address:

Phone:

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Signature and Date

Is proprietary/privileged information included in the application? **Yes**  **No**

**Quotation Offering**   
(maximum of 12 pages total)

**Name of Lab:**

**Location (city, country) of Lab:**

**Section A. ISO testing for efficiency**

Does your lab have the necessary equipment to perform ISO 19867-1:2018 testing for efficiency?

**Yes  No**

If yes, please detail the equipment you have necessary for this testing. This should include details on the type of mass measurement device (such as an electronic balance) you have.

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Please also detail any training current staff have received on following the ISO protocol for efficiency.

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Please detail any prior experience testing stoves for efficiency according to ISO protocol, including the number of stove models tested, and if possible, please share which stove models you tested.

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**Section B. ISO testing for emissions**

Does your lab have the necessary equipment to perform ISO 19867-1:2018 testing for emissions?

**Yes  No**

If yes, please detail the equipment you have necessary for this testing. Please include details on the following:

* Hood and dilution tunnel system
* Gravimetric (filter-based) system for measuring PM2.5
* System for measuring carbon monoxide
* System for measuring carbon dioxide
* Data acquisition system.

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Please also detail any training current staff have received on following the ISO protocol for emissions.

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Please detail any prior experience testing stoves for emissions according to ISO protocol, including the number of stove models tested, and if possible, please share which stove models you tested.

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**Section C. ISO testing for safety**

Does your lab have the necessary equipment to perform ISO 19867-1:2018 testing for safety?

**Yes  No**

If yes, please detail the equipment you have necessary for this testing. This should include whether you have a hand-held infrared thermometer.

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Please also detail any training current staff have received on following the ISO protocol for safety.

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Please detail any prior experience testing stoves for safety according to ISO protocol, including the number of stove models tested, and if possible, please share which stove models you tested.

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**Section E. Additional capabilities**

Does the lab currently perform WBT 4.3.2 (as per [ISO-IWA 11:2012)](https://www.iso.org/standard/61975.html) testing?

**Yes  No**

**Section F. Pricing (USD) and Timing**

Please share pricing and expected turn-around time for performing all required iterations of the ISO test (efficiency, emissions, and safety), on a per-stove model basis.

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What is your price per stove model for testing stoves for efficiency and safety only, and turn-around time?

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**Section G. Additional information**

Please include additional information here that you would like to share with CCA in consideration of your quotation and capabilities statements.

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We invite any photos of the lab and equipment to be attached to this submission.

**Submission instructions:**

**Please submit this document and any attachments by email to** [**ederby@cleancooking.org**](mailto:ederby@cleancooking.org) **and** [**slloyd@cleancooking.org**](mailto:slloyd@cleancooking.org) **by September 15th, 2023.**

**RFQ Release, Guidelines and Requirements**

* This RFQ is open to multiple applicants.
* The price provided should be in US dollars, and should contain both pre-tax and net of tax values. If the process excludes certain fees or charges, the applicant must provide a detailed list of excluded fees with a complete explanation of the nature of those fees.
* This RFQ is not an offer to contract. The Consultant understands that the Clean Cooking Alliance has chosen to solicit an RFQ for ISO lab testing services, and that the Applicants’ response does not guarantee that the Clean Cooking Alliance will enter a new contract with the Applicant.
* The Consultant agrees that the Clean Cooking Alliance may, at its sole discretion:
  + Amend or cancel the RFQ, in whole or in part, at any time
  + Extend the deadline for submitting responses
  + Determine whether a response does or does not substantially comply with the requirements of the RFQ
  + Waive any minor irregularity, informality or nonconformance with the provisions or procedures of the RFQ
  + Negotiate with all applicants UNF deems acceptable
  + Issue multiple awards
  + Photocopy the responses for evaluation/review
* The Consultant, by submitting a response to this RFQ, waives all right to protest or seek any legal remedies whatsoever regarding any aspect of this RFQ,
* The Consultant represents that it has responded to the RFQ with complete honesty and accuracy. If facts provided in the Applicant’s response change, the Applicant agrees to supplement its response in writing with any deletions, additions, or changes within ten (10) days of the changes.