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UNIDO/CTCN

# DETAILED WORKPLAN

Technical assistance for Development of  
a Product Standard & Comparative Labelling  
for locally manufactured electric stoves

Procurement Reference No.: 2015000079



Motiva Services

**Technical assistance for  
Development of a Product Standard & Comparative Labelling  
for locally manufactured electric stoves**

CTCN request No: 2015000079  
UNIDO RFX No: 7000002904  
UNIDO Contract No 3000061038

**Detailed Work Plan**

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## Project Activities and Expected Output

### Output 1: Development of implementation planning and communication documents

#### Activity 1.1: A Detailed Work Plan

A detailed work plan will be formulated at the very beginning of the project. It will include all activities, deliveries, outputs, deadlines and responsible persons/organizations and detailed budget to implement the Response Plan. The Work Plan will be based on the TOR, a kick-off meeting with the Beneficiary, and available materials.

A two-page Impact Description according to CTCN template will be prepared at the beginning of the project.

- *The responsible partner is Motiva Services Oy. However, all project partners will significantly contribute to the preparation of the Plan.*

#### Activity 1.2: Monitoring and Evaluation Plan

A monitoring and evaluation plan will be prepared based on the Work Plan (activity 1.1). It will include specific, measurable, achievable, relevant, and time-bound indicators for monitoring and evaluating the timeliness and appropriateness of the implementation.

The quantitative and qualitative indicators will be chosen in such a way that they facilitate the completion of the Technical Assistance Closure and Data Collection Report at the end of the assignment. Particular emphasis will be on the various impacts of the project, lessons learned and recommendations.

The monitoring and evaluation plan will also suggest for future ex post monitoring of the energy saving impact of the new MEPS.

- *The responsible partner is Motiva Services Oy.*

#### Activity 1.3: CTCN Impact Description

A two-page CTCN Impact Description will be formulated at the beginning of this technical assistance project. This will be updated once the technical assistance is fully delivered.

- *The responsible partner is Motiva Services Oy.*

#### Activity 1.4: A Closure and Data Collection Report

A Closure and Data Collection Report will be completed at the end of the technical assistance according to the template provided by CTCN. Data for the report will be collected throughout the project following the Monitoring and Evaluation Plan prepared in activity 1.2.

- *The responsible partner is Motiva Services Oy.*

#### Activity 1.5: Gender Analysis

Gender mainstreaming will be a quintessential component of this technical assistance project. It will be implemented at all stages of the project activities to ensure that gender perspectives, experiences and attention to the goal of gender equality are at the heart of the project activities. The technical Assistance team has a designated gender expert who will advise on gender mainstreaming throughout all activities and review documents accordingly.

- *The gender specialist in the project is Ms Tsinu Amdeselassie Worku, LLB, MA. from Swan Management Plc.*

### **LIST OF PROJECT DELIVERABLES FOR OUTPUT 1**

<i>Deliverable 1</i>	<i>Deliverable name</i>	<i>Milestone(s)</i>
<i>D1.1</i>	<i>Detailed workplan</i>	<i>M2 – 08/2018</i>
<i>D1.2</i>	<i>Monitoring and evaluation plan</i>	<i>M2 – 08/2018</i>
<i>D1.3</i>	<i>CTCN Impact Description</i>	<i>M2 – 08/2018</i>
<i>D1.4</i>	<i>Closure and Data Collection report</i>	<i>M9 – 03/2019</i>

### **Output 2: A testing procedure for measuring and certifying energy performance of locally manufactured electric stoves in Ethiopia**

Testing procedure will be developed based on existing international standards. The aim, as stated in the Terms of Reference, is to ensure that all appliances subject to the Standard and Labelling (S&L) programme will be tested based on the same criteria and an internationally applied and proven method for consistent comparison. A prerequisite for such comparison is a review of existing testing procedures, clarification of needs and plans of the key stakeholders, assessment of existing capacities and potential needs for adjustment needs, and an overview of the required administrative framework. The primary option for a laboratory to carry out the necessary testing procedure is the testing laboratory under the Ministry of Water Irrigation and Electricity with minimum equipment set-up. The team will explore whether the laboratory can be further used for testing of locally manufactured electric stoves.

#### **Activity 2.1: Review existing international testing procedures and identify those best suited to be used for this purpose in Ethiopia**

This activity will be carried out as a desk study combined with comprehensive stakeholder outreach. The study will create an overview of available energy performance testing procedures internationally and in neighbouring countries to inform the establishment of such a procedure for locally manufactured electric stoves in Ethiopia.

The study will focus on key elements: accurately reflect the conditions under which the product is used, accurateness, reproducibility and comparability of results, performance implications of different designs of the appliance, costs, etc. It will be paramount that the testing procedure shall verify all relevant information that will be presented on the label (e.g. energy consumption, performance, tolerance).

Reviewing of relevant international standardization procedures will contribute to the recommendation whether an existing procedure can be modified or fully adapted or is there a need to develop a new and unique procedure. The review will also consider both the benefits and challenges associated with international recognition and comparability (e.g. trade implications, costs), as well as local conditions, needs and capacities. The study will consider also the status of similar programmes in neighbouring countries, especially those that use the same or similar appliances and have trade potential.

This review will be carried out in parallel with the research in Activity 3.1.

- *The responsible partner is Motiva Services Oy.*

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**Activity 2.2: Assess the technical capacities of the existing testing facility with regard to the requirements to carry out the selected testing procedure**

An assessment of the testing facility will be carried out to clarify whether the laboratory in its current state meets the technical requirements to facilitate appliance testing in line with the testing procedure. The assessment to be carried out by experienced experts of the team will review the availability and condition of the required equipment, the expertise of the technicians who will carry out the testing, and the necessary administration. A crucial part of the assessment process is to ensure that the tests will be carried out in a reliable and unbiased manner, thus it is paramount that the laboratory is certified by an accredited body. Assessment report will be accompanied by a checklist for operationalization of the laboratory and, if necessary, provide recommendations to expand the laboratory or to involve other laboratories nationally, in neighbouring countries or from the private sector.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to the assessment work.*

**Activity 2.3: Organize a stakeholder meeting to discuss the results of the review of available testing procedures and the laboratory**

A 3-day Stakeholder meeting will be organized comprising special dedicated sessions for discussions regarding activities 2.3, 3.2 and 4.2. Altogether up to 20 participants from relevant stakeholder groups will attend the meeting. The stakeholder groups to be invited will be agreed with the EEA.

In this meeting, the results of the review of available testing procedures (Activity 2.1) and the outcome of the assessment of technical capacities of the existing testing facility (Activity 2.2) will be presented for discussion of different options together with experts and representatives from authorities, manufacturers, consumers and other relevant institutions to clarify the most suitable pathway to proceed.

The meeting will be planned and organized in close collaboration with the EEA. An integral part of the meeting is to provide a platform for thorough discussion on the benefits (effective and applicable process) and drawbacks (complexity and time needed) of wide stakeholder engagement in the selection and design of the testing procedure. The outcome of the consultations with different stakeholders will lead to the final design of the testing procedure.

Committed contact persons representing each stakeholder or stakeholder group will be provided further feedback throughout the intervention. That group may be invited to become part of a steering committee for further development and implementation of the S&L programme. The setup of a committee will not be part of this CTCN technical assistance. The meeting is expected to take 3 days and have up to 20 participants in total from all relevant stakeholder groups (see also Activity 3.2 and 4.2). It is foreseen that each activity will have a special dedicated session during the 3-day meeting. The organization and agenda of the meeting will be planned in close collaboration with EEA.

- *The responsible partner is subcontractor Swan Management Plc. However, all project partners will contribute to the organization of the stakeholder meeting.*

**Activity 2.4: Draft the testing procedure and administrative framework document with recommendations**

The team will, based on the analyses and consultations carried out, produce a document defining the recommended testing procedure for Ethiopian authorities for adaptation and implementation. The outlined format of technical protocols shall allow straightforward application by its users. Furthermore, successful



operationalization and sustainability of the technical protocol for testing itself depend on an effective administrative framework as well as availability of human and financial capacities. Therefore, the document outlining the procedure will also present recommendations on a framework to administrate appliance testing. This is a requirement to enforce compliance, avoid fraud and sustain trust in the S&L programme, in particular the labels and the accuracy of the information they represent. The administrative framework will address a number of subjects such as the selection procedure of samples (which ones, how many), the funding source for carrying out the tests in the laboratory, an enforcement schedule of compliance monitoring and testing (aggressive random testing vs. complaint based testing), certification of results, a process for complaints from consumer associations or manufacturers the necessary forms and procedures for reporting of results, a database of test results, and certification of the testing facility itself. Furthermore, the framework will lay out in detail the necessary human capacities (technical and administrative) and an annual cost projection with experience-based recommendations for long term financing.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to drafting the testing procedure and administrative framework document.*

#### **LIST OF PROJECT DELIVERABLES FOR OUTPUT 2**

<i>Deliverable nr 2</i>	<i>Deliverable name</i>	<i>Milestone(s)</i>
D2.1	<i>The most suitable testing standard is selected and presented through a knowledge library documenting the information accumulated throughout activities 2.1 and 2.2 including sources.</i>	<i>M6 – 12/2018</i>
D2.2	<i>Meeting report and participant list from stakeholder meeting</i>	<i>M6 – 12/2018</i>
D2.3	<i>Draft test procedure and protocol (ready for adoption by the EEA)</i>	<i>M7 – 01/2019</i>

### **Output 3: Benchmark of international MEPS and label design best practice**

In this output the team will produce a list of indicated performance levels of six to ten relevant regional and international minimum energy performance standards and associated product labels of electric stoves. The examples to be chosen will represent success cases that have caused measurable impacts and set the benchmark for international comparison. In addition, a checklist of key criteria will be provided for definition of the minimum performance level and an effective label. The goal is to guide the EEA in defining a performance level that is achievable in the local context yet demanding innovation. Another goal is to design and validate an informative product label that is understood and supported by key stakeholder groups and thus achieves its purpose.

The 2015 project document produced by the EEA and DANAS Electrical Engineering describing a detailed background assessment of an Energy Efficiency Standards and Labelling programme on such stoves will be utilised along with other relevant documents and sources.

#### **Activity 3.1: Conduct research on experiences and best practice with MEPS target setting and label design.**

The team will carry out this research focusing on performance standard setting and label design processes. The research will be carried out in parallel with Activity 2.1. To enable performance standard setting, the research will cover aspects such as defining efficiency ranges and updating schedules to ensure current market conditions are reflected. At least the following indicators will be considered:

- the variance of energy performance of current market products,
- technical potentials to improve efficiency,

- saving potentials at national level,
- time estimates to adapt product design,
- potential technical barriers,
- cost effectiveness of technical improvements.

For the labels, the research and key features to be considered include general appearance, definition of efficiency categories, stakeholder engagement, etc.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to conducting the research.*

### **Activity 3.2: Presentation of research results at the stakeholder meeting of Activity 2.3**

The research results of Activity 3.1 will be presented to the stakeholders at a stakeholder meeting. At the stakeholder meeting all key stakeholders will have the opportunity to discuss and share their perspectives on the MEPS and label design proposals to ensure they reflect the needs of those stakeholders who deal with them daily. Compilation of research results will be distributed in advance to the invitees to enable them to prepare and provide their input at the meeting.

The discussion will be recorded by the team to ensure inclusion of all views. Stakeholders' inputs are important in complementing the study outcomes and in provision of a final proposal for a MEPS target and label design. The goal is to find common understanding at the meeting and come to an agreement among all stakeholders.

It's crucial that the choice of the label design will be supported by manufacturers, retailers and consumers. The team will carry out a survey, possibly in a format of an on-line questionnaire, to obtain different stakeholders' views of the proposed label design/designs. The outcome of the survey will be discussed at the meeting. Therefore, participation of the respective associations or NGOs will be ensured.

The 3-day stakeholder meeting to be organised in Activity 2.3 will have a special session to discuss the research results of this activity.

The responsible partner is Motiva Services Oy. However, all project partners will contribute to the stakeholder meeting, survey and presentation of research results.

### **Activity 3.3: Collate all information and write report**

The team will prepare a report consisting the researched information complemented with the stakeholder inputs collected during the meeting. The checklist component of the report will be prepared in an applicable format to be used also for producing the guideline for the design of performance levels and product labels.

The calculation method (and possible table herein) on the expected GHG emissions reduction resulting from the S&L standard implementation will be described in detail in the report.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to collating of information and preparing the report.*



### LIST OF PROJECT DELIVERABLES FOR OUTPUT 3

<b>Deliverable nr 3</b>	<b>Deliverable name</b>	<b>Milestone(s)</b>
D3.1	Meeting minutes that capture stakeholder feedback related to Output 3	M6 – 12/2018
D3.2	Report on international best practice in MEPS design and labelling (with separate checklist)	M7 – 01/2019
D3.3	Final report containing also an estimate of GHG mitigation potential through this TA	M7 – 01/2019

### Output 4: Awareness raising and public communication strategy

As stated in the ToR, an awareness raising and public communication strategy tailored to Ethiopian needs will be designed based on international experience and best practice. The strategy will guide the EEA during the development of an effective campaign to promote the benefits of the S&L programme to all stakeholders to ensure their understanding and support for the programme.

#### Activity 4.1: Conduct research and draft a strategy framework

Properties and criteria of successful outreach campaigns for S&L programmes in other countries in the region and internationally will be investigated. Based on the findings of the research our team will further investigate the relevant socio-economic and cultural context in Ethiopia, and produce awareness raising and communication strategy recommendations accordingly. The key components of the recommendations will include

- definition of clear goals and objectives,
- conducting a research and needs assessment,
- identification of target audiences and partners,
- development of concrete messages and testing of response from the target audiences, and
- the design of a communication plan.

The recommendations will also tackle basic and practical elements of the strategy

- expected timeline and budget,
- stakeholder involvement and support from campaign partners, and
- identification of market barriers.

The strategy framework will be presented at the stakeholder meeting (Activity 2.3) and it will guide the discussion at the meeting. The draft strategy will be distributed in advance to key stakeholders to allow all get acquainted with the document and be prepared to provide informed input and improvements in the contents of the draft strategy at the meeting.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to conducting research and drafting a strategy framework.*

#### Activity 4.2: Introduce and discuss the strategy framework at the stakeholder meeting of Activity 2.3

The stakeholder meeting will be divided into special dedicated sessions to discuss the topics arising from Activities 2.3, 3.2 and 4.2. The dedicated awareness raising and communication session will provide a platform to introduce the strategy framework, discuss it, and collect informed stakeholder inputs as well as provide clarifications. The session will be well planned, in collaboration with the EEA, to facilitate active discussion and successful outcome. The session will be well recorded to ensure inclusion of all inputs from the stakeholders. A comprehensive meeting report corresponding the discussion and inputs will be prepared. The final strategy will accurately reflect documentation of the meeting report.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to the stakeholder meeting and recording of the discussions and inputs.*

#### **Activity 4.3: Finalize the strategy based on stakeholder inputs**

The awareness raising and communication strategy will be finalised in this activity. The final draft strategy will comprise the results from the background research merged with the inputs from the stakeholder meeting to produce a final draft. The final draft will be distributed to the stakeholders involved in the strategy process to for final review.

- *The responsible partner is Motiva Services Oy. However, all project partners will contribute to finalizing the strategy.*

#### **LIST OF PROJECT DELIVERABLES FOR OUTPUT 4**

<b><i>Deliverable nr 4</i></b>	<b><i>Deliverable name</i></b>	<b><i>Milestone(s)</i></b>
<i>D4.1</i>	<i>Meeting report that captures stakeholder feedback related to Output 4</i>	<i>M6 – 12/2018</i>
<i>D4.2</i>	<i>Strategy framework developed</i>	<i>M6 – 12/2018</i>
<i>D4.3</i>	<i>Awareness raising and public communication strategy document</i>	<i>M9 – 03/2019</i>

#### **Final edited version of the Detailed Workplan**

This version of the Detailed Workplan (dated 27 August 2018) is an edited and final version of the first draft of Detailed Workplan submitted on 6 August 2018 to Ethiopian Energy Authority for review and comments. The views and response from the Ethiopian Energy Agency, received at a meeting (24 August 2018) between Ethiopian Energy Authority officials and contractor’s local team, have been integrated in this Detailed Workplan.

## **ANNEX 1**

Detailed work plan, excel file (see separate electronic attachment)

## **ANNEX 2**

### Impact Description

**CTCN Technical Assistance Impact Description**

**Technical assistance for Development of a Product Standard & Comparative Labelling for locally manufactured electric stoves**

CTCN request No: 2015000079

UNIDO RFX No: 7000002904

UNIDO Contract No 3000061038

<p><b>Challenge:</b> Approx. 500 characters with spaces</p>	<p><b>Development of a Product Standard &amp; Comparative Labelling for locally manufactured electric stoves</b></p> <p>Ethiopia’s electricity demand is growing. Electricity production is mainly based on hydro power which is vulnerable to the adverse effects of climate change on future water supply.</p> <p>Therefore, the government has developed targets to reduce energy consumption by increasing energy efficiency.</p> <p>Household appliances have been identified as a low hanging fruit, and locally manufactured electric stoves as a product with great improvement potential, not only regarding energy efficiency, but product design in general. Informed by experiences in other countries a standard and labelling programme has been selected as a policy approach to achieve these energy efficiency improvements.</p>
<p><b>CTCN Assistance:</b> 2 to 4 bullet points. Approximately 450 characters with spaces</p>	<ul style="list-style-type: none"> <li>• selecting and equipping testing facilities for locally manufactured electric stoves</li> <li>• drafting the testing procedure proposing an administrative framework for testing</li> <li>• developing minimum energy performance standards (MEPS) and product standards to ensure that all equipment in the market will be energy efficient</li> <li>• formulating a communication strategy for transferring technology knowledge to local manufacturers and for informing the public about energy efficient stoves</li> </ul>
<p><b>Anticipated impact:</b> 2 to 4 bullet points to summarise anticipated impact. Approximately 250 characters with spaces.</p> <p>As a minimum, please include one of the following:</p> <ol style="list-style-type: none"> <li>i) Quantity of greenhouse gas emissions reduced, avoided or sequestered; or</li> <li>ii) Number of people with increased capacity to adapt to the impacts of climate variability and change.</li> </ol>	<ul style="list-style-type: none"> <li>• Over time almost all households will be positively affected because inefficient electric stoves will be removed from the market. There is, however, a considerable time lag before full impact given that stoves are typically changed only at the end of their technical lifetime.</li> <li>• Quantity of GHG emission reduction</li> </ul>

	<p>depends on the level of future MEPS in comparison with the average consumption of appliances currently in the market.</p>
<p><b>Linkages and contribution to NDC:</b> 2 to 4 bullet points. Approximately 350 characters with spaces</p>	<p>This assistance supports Ethiopia’s Nationally Determined Contribution to</p> <ul style="list-style-type: none"> <li>• “Leapfrogging to modern and energy efficient technologies in transport, industry and building sectors”, as stated in the national GHG Mitigation Plan</li> <li>• Reducing households’ dependency on fuel wood and to increase energy access in rural areas thus reducing stress in the forest resources in line with the Climate Resilient Green Economy Strategy (CRGE). Energy efficient electric stoves, which forms the basis of Ethiopia’s NDC, can become an attractive alternative to inefficient wood stoves creating health risks and burdening households with fuelwood gathering.</li> </ul>
<p><b>The narrative story:</b> Approximately 1200 characters with spaces</p>	<p>Increasing energy efficiency in cooking by shifting to electric stoves and replacing inefficient wood stoves can make 20% contribution to Ethiopia’s total potential for emission reduction annually in 2030 according to CRGE. Dependency on climate sensitive electric power supply further accentuates the need to boost energy efficiency.</p> <p>Consequently, the Ethiopian Energy Authority (EEA) and the National Designated Entity (NDE) of Ethiopia have approached the CTCN with a request for technical assistance to provide support with the development of a Standards &amp; Labelling (S&amp;L) programme for locally manufactured electric stoves to ensure energy efficiency.</p> <p>International experience has shown that developing standards and testing procedures is not enough to ensure effective implementation but awareness raising is needed among the manufacturers, retailers and the general public. Therefore, an awareness raising, and public communication strategy will be developed to help EEA in effective campaigning.</p>



<p><b>Contribution to SDGs:</b> Always include contribution to SDG 13, and to the extent possible, please include contribution to 2 other SDGs, describing the contribution with a few sentences for each SDG concerned.</p> <p>A complete list of SDGs and their targets is available here: <a href="https://sustainabledevelopment.un.org/partnership/register/">https://sustainabledevelopment.un.org/partnership/register/</a></p>	<p>SDG 1: End poverty in all its forms everywhere</p> <ul style="list-style-type: none"> <li>- Energy efficiency is a major contributor in the reduction of fuel poverty.</li> </ul> <p>SDG 7: Ensure access to affordable reliable, sustainable and modern energy for all</p> <ul style="list-style-type: none"> <li>- By 2030, double the global rate of improvement in energy efficiency: Energy efficiency will be improved in the buildings sector through energy efficient appliances.</li> </ul> <p>SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation:</p> <ul style="list-style-type: none"> <li>- The standard and labelling programme will promote product innovation among local manufacturers to improve the performance and sustainability of electric stoves.</li> </ul> <p>SDG 13: Take urgent action to combat climate change and its impacts</p> <ul style="list-style-type: none"> <li>- Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries: The long-term impact of reduced electricity consumption mitigates dependency on climate sensitive hydro-electricity.</li> <li>- Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning: Future awareness raising, in accordance with the strategy developed in this TA, informs consumers and manufacturers about the benefits of energy efficient appliances.</li> </ul>
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## **ANNEX 3**

### Monitoring and Evaluation Plan

## TA Monitoring and Evaluation plan

### Objective for the TA Monitoring and Evaluation plan:

- The TA Monitoring and Evaluation plan must be designed based on the TA Response Plan and must enable the Implementer to complete the TA Closure and Data Collection Report<sup>1</sup> at the end of the assignment.

### Process for designing and using the TA Monitoring and Evaluation plan:

- The Implementer must identify all relevant indicators as specified in the TA Closure and Data Collection Report. The TA Closure and Data Collection Report contains 31 generic TA indicators and the Implementer must build the TA Monitoring and Evaluation plan around a select number of relevant indicators.
- The Implementer may want to identify other specific, measurable, achievable, relevant, and time-bound indicators suitable to monitor Outputs and Activities and add these to the Monitoring and Evaluation plan.
- During implementation of the TA, the Implementer must collect all relevant data as described in the Monitoring and Evaluation plan. Aggregated data for the entire TA will be presented in the TA Monitoring and Data Collection Report for relevant indicators at the end of the assignment.

(A) Outputs and Activities as described in the Response Plan	(B) Response Plan target for the Output or Activity ( <i>Add the expected quantitative target/value of the Output or Activity (e.g. number of studies, policy recommendations, etc.).</i> )	(C) Indicator ( <i>Select a relevant indicator from the TA Monitoring and Data Collection Report or other relevant indicators</i> )	(D) Method and frequency for data collection ( <i>Describe the expected method and frequency for data collection (e.g. survey, head count at a training workshop, factory scada extraction, etc.)</i> )	(E) Value for Output/Activity produced using the indicator in column C ( <i>Add the monitored quantitative value</i> )	(F) Difference between targeted and delivered Output and activity values ( <i>Column E minus column B</i> )
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<sup>1</sup> Please see: [https://www.ctc-n.org/sites/www.ctc-n.org/files/ta\\_closure\\_report\\_template\\_final\\_march\\_2017.doc](https://www.ctc-n.org/sites/www.ctc-n.org/files/ta_closure_report_template_final_march_2017.doc)

<p><b>Output 1:</b> The consultancy implementation is well planned, and it is ensured that all relevant stakeholders are engaged and well informed throughout the different stages of the implementation.</p>	<p>One (1) Detailed work plan presented to all stakeholders Three (3) Project documents presented to CTCN</p>	<p>Number of work plans presented to all stakeholders. Number of relevant project documents presented to CTCN.</p>	<p>Record of reports produced  Communicated to the stakeholders</p>		
<p><b>Output 2:</b> A testing procedure for measuring and certifying energy performance of locally manufactured electric stoves in Ethiopia</p>	<p>One (1) testing procedure developed  At least 20 stakeholders are consulted on options for testing procedure</p>	<p>Anticipated number of laws, agreements, or regulations addressing climate change mitigation officially proposed, adopted, or implemented as a result of the TA.</p> <p>Anticipated and projected greenhouse gas emissions reduced or avoided through 2030, in metric tons of CO<sub>2-e</sub>, from adopted laws, policies, regulations, or technologies related to clean energy as a result of the TA</p> <p>Anticipated number of people improving their livelihood as co-benefits as a result of the TA</p> <p>Number of technical reports strengthened, revised or created</p> <p>Number of national technology and knowledge sharing events</p> <p>Number of participants in the events above Number of men Number of women</p>	<p>Record of report produced Reports from meetings and consultation Attendance registers from stakeholders' consultations</p>		

<p><b>A.2.1:</b> Review existing international testing procedures and identify those best suited to be used for this purpose in Ethiopia</p>	<p>At least 30 international and national literature sources are reviewed. One (1) summary report with results from literature review is delivered.</p>	<p>Number of literature sources reviewed. Number of summary reports with results from literature review.</p>	<p>Record of reports produced List with literature sources Consultation with stakeholders</p>		
<p><b>A.2.2:</b> Assess the technical capacities of the existing testing facility with regard to the requirements to carry out the selected testing procedure</p>	<p>One (1) site visit to testing facility One (1) assessment report of the testing facility One (1) checklist for operationalization of the laboratory including recommendations to expand the laboratory as appropriate</p>	<p>Number of tools strengthened, revised or developed  Number of stakeholders consulted during side visit Number of men Number of women</p>	<p>Record of reports and tools produced and communicated to the stakeholders. Notes from meetings and consultations.</p>		
<p><b>A.2.3:</b> Organize a stakeholder meeting to discuss the results of the review of available testing procedures and the laboratory</p>	<p>One (1) stakeholders list developed  At least 20 stakeholders are consulted</p>	<p>Number of stakeholders' consultations held Number of men Number of women</p>	<p>Record of reports and tools produced and communicated to the stakeholders. Stakeholders meeting report</p>		
<p><b>A.2.4:</b> Draft the testing procedure and administrative framework document with recommendations</p>	<p>One (1) testing protocol developed One (1) proposal for administrative framework developed</p>	<p>Number of technical reports strengthened, revised or created Number of tools strengthened, revised or developed</p>	<p>Record of reports and tools produced and communicated to the stakeholders.</p>		

<b>Output 3: Benchmark of international MEPS and label design best practice</b>	One (1) report of at least 6 international best practice in MEPs design and labeling and checklist of key criteria to define MEPs and label	Number of technical reports strengthened, revised or created	Record of reports and tools produced and communicated to the stakeholders.  Stakeholders consultation report and attendance registers		
<b>A.3.1:</b> Conduct research on experiences and best practice with MEPS target setting and label design.	At least 6 international standards identified and reviewed	Number of technical reports strengthened, revised or created Number of international standards reviewed and identified	Record of reports and tools produced and communicated to the stakeholders.		
<b>A.3.2:</b> Presentation of research results at the stakeholder meeting of Activity 2.3	At least 20 stakeholders participate in meeting and provide feedback on research results and label design  At least one preferred option identified for label design	Number of stakeholders consulted - Number of men - Number of women  Feedback from stakeholders	Stakeholders consultation report and attendance registers  Pre-meeting on line survey  Synthesis of on-line survey and meeting results		
<b>A.3.3:</b> Collate all information and write reports	One report on MEPS target setting and label design	Number of technical reports strengthened, revised or created	Record of reports.		



<b>Output 4:</b> Awareness raising and public communication strategy	One (1) awareness raising and public communication strategy tailored to Ethiopian needs	Number of other information materials strengthened, revised or created	Record of document produced		
<b>A.4.1:</b> Conduct research and draft a strategy framework	One (1) draft strategy framework for communications campaign	Number of reports	Draft submitted to The stakeholders before the stakeholder meeting		
<b>A.4.2:</b> Introduce and discuss the strategy framework at the stakeholder meeting of Activity 2.3	One (1) meeting session report on awareness-raising and communications	Number of reports	Record of reports Consultation with stakeholders		
<b>A.4.3:</b> Finalize the strategy based on stakeholder inputs	One (1) awareness raising and public communication strategy integrating stakeholders	Number of other information materials strengthened, revised or created	Communication strategy submitted		