

ANNEX R – PASSPORT TEMPLATE

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SECTION A. Project Title

NAME /TITLE OF THE PoA: Fuel efficient stoves for Ethiopia Programme of Activities
PoA passport version: 45.0

NAME /TITLE OF THE CPA: Fuel efficient stoves for Ethiopia Programme of Activities CPA 001

CPA passport version: 56.0

Date: 1022.0604.20152016

SECTION B. Project description

Estimated project start date:

10/03/2014, the date when first funding was allocated and transferred by the WFP Ethiopia country office to the regional bureau of finance and economic development to be available for implementing bodies according to the Project Management System laid out in the PoA DD.

Purpose and general description of the CPA

The CPA entitled “Fuel Efficient Stoves for Ethiopia Programme of Activity CPA 001” consists in the distribution of a combination of two improved cookstoves (ICS) to particularly rural households: Mirt stoves for injera baking and Tikikil rocket stoves for other cooking tasks. Both ICS types have efficiency improvements in thermal applications of non-renewable biomass as compared to the baseline technology, as per AMS-II.G, ver. 5. Generally, participating households will receive a pair of ICS, consisting in a Mirt stove (slim type/classic type) and a Tikikil stove. However, the distribution of a single ICS to a household is possible under this CPA.

The purpose of the CPA 001 is to reduce GHG emissions and indoor air pollution by the dissemination of efficient cookstoves in households in Ethiopia.

Technical description of the CPA

The CPA consists consists in the distribution of a combination of two improved cookstoves (ICS) to households that are designed particularly for Ethiopian cooking habits. The stove types to be disseminated are:

- 1) fixed Mirt stoves (slim type, further only referred to as “Mirt stove”) designed for *injera* baking (Figure 1 Figure 1a),
- 2) Tikikil portable household cookstove for household cooking other than *injera* baking (Figure 1 Figure 1b)

It is planned to distribute 18,000 Mirt stoves, 18,000 Tikikil stoves under this CPA. The two stove types are distributed to households in pairs (one Mirt and one Tikikil stove).



Figure 1: a), b): Stove types disseminated within this CPA¹

1) Mirt stoves (slim type) – Stoves for *injera* baking

Injeras are large flat breads made of teff flour or other cereals such as maize or barley. They are baked on a large plate, which is traditionally heated over a three stone fire with very low thermal efficiency. The Mirt stove (Figure 2Figure-2 and Figure 3Figure-3) is a closed stove that allows for *injera* baking at highly improved efficiency; additionally, it allows for the simultaneous preparation of sauces. The Mirt stove is a structure of ~0.6 x 1.0 m made out of cement, sand and mud with an enclosed heating chamber and a biomass fuel inlet opening in its front (Figure 3Figure-3). It has two heating zones: a big one for baking *injera* and a small one for cooking sauces or stews. Smoke is led out via an opening above the stove. It is locally manufactured in six pieces using metal moulds. The *Woreda* offices will buy the Mirt stoves and subsequently distribute the stoves to the end users. End users transport and install the stoves inside the kitchens after having been instructed by the MoARD staff.

In this CPA only the slim type of Mirt stove will be distributed. The slim Mirt has its quadrant parts as well as its 'U' chimney stack, and a wall thickness of all 4 cm (Figure 2Figure-2). The chimney stack releases the smoke next to the wall where it rises and escapes through the roof. This leads to a significant reduction of indoor air pollution since traditionally, *injera* baking is done on three stone fires inside the house²; thereby larger quantities of smoke are generated and distributed all around the hut. The average lifetime of Mirt is about five to seven years³.

¹ GIZ (2011):GIZ Stove Projects in Kenya, Ethiopia, Uganda, Improved cookstove Colloquium, Nairobi, <https://energypedia.info/images/a/a6/GIZ.pdf>

² Kebede, Faris. 2002. "Survey of Indoor Air Pollution Problems in the Rural Communities of Jimma, Southwest Ethiopia." *Ethiopian Journal of Health Science* 12 (1).

³ Bewket, Woldeamlak. 2011. Ethiopia's Climate-Resilient Green Economy and the Importance of Fuel Efficient Stoves. Submitted to WFP- Ethiopia Addis Ababa.



Figure 2: Mirt stove with baking plate ("mitad") and cover⁴ and slim Mirt without baking plate⁵

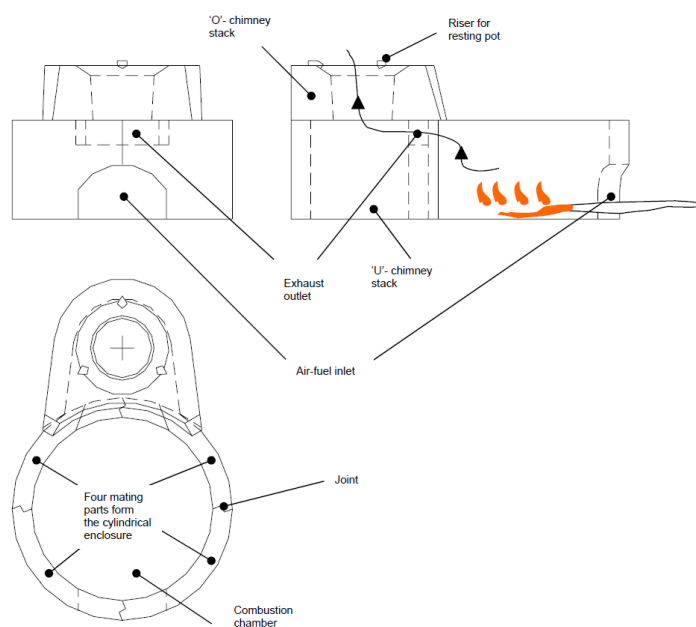


Figure 3: Orthographic views of Mirt stove (not to scale)⁷

⁴GIZ HERA (2011): "Mirt Stove Ethiopia." https://energypedia.info/images/a/a0/GIZ_HERA_2012_Mirt_stove.pdf.

⁵ GTZ SUN ENERGY (2011)_Memo, Result of stove testing

2) Tikikil stove - Portable household cook stove

Tikikil stove is a rocket stove, which is used for cooking (Figure 4a). It uses firewood as fuel, which is continuously fed to the combustion chamber. Tikikil is available in two types: single-skirt and double-skirt. Single-skirt Tikikil is designed to accommodate a 25 cm diameter pot (hence fixed size), which is a typical size used in most Ethiopian households. Double-skirt Tikikil can accommodate 27 cm and 31 cm diameters of pots. Smaller sized pots can also be accommodated but not with as much efficiency. Either of the types can be used for up to a 10 liters pot so long as it fits within the skirt⁶.

Both single and double skirt stoves have the same stove body, consisting of a cylindrical inner clay liner as combustion chamber, covered with galvanized sheet metal on the outside. The 4 cm thick liner has internal diameter of 11 cm and is 23.5 cm high. The total stove is 36 cm high. At its bottom is an 11 cm x 11 cm opening as fuel and air inlet. A fuel shelf made of a 6 mm steel round bar also constitutes part of the stove. The clay liner is produced by local potters while the metal cladding is done by metal artisans. The stove has a non-removable skirt. The fuel shelf is made up of a 5 mm radius round metal bar (Figure 4b). Slight variations of the measures given here or small design changes are possible.

The skirt diameter is 27cm for the single-skirt stove and 29 cm and 33cm for the double-skirt model. No difference is expected in the lifetime of the two Tikikil models⁹.

According to GIZ HERA. 2011. "Tikikil Stove Ethiopia." Product information sheet, "conservative estimates suggest a life of 2 years for some of the stove parts such as the skirt and top plate which are exposed to high temperature and flame. These parts can easily be replaced whenever they wear"⁹.

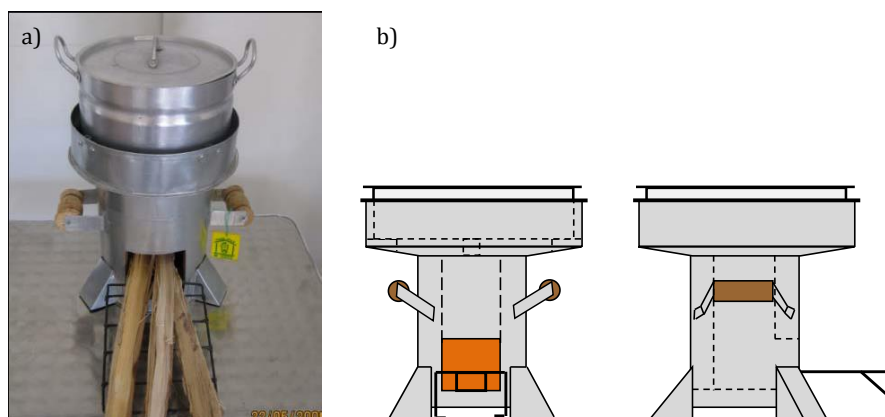


Figure 4: Photograph (a) and technical drawing (b) of Tikikil portable household cook stove.⁷

⁷ GIZ HERA. 2011. "Tikikil Stove Ethiopia." Product information sheet, "conservative estimates suggest a life of 2 years for some of the stove parts such as the skirt and top plate which are exposed to high temperature and flame. These parts can easily be replaced whenever they wear"⁹.
https://energypedia.info/images/2/2c/GIZ_HERA_2012_Tikikil_Stove_ET.pdf.

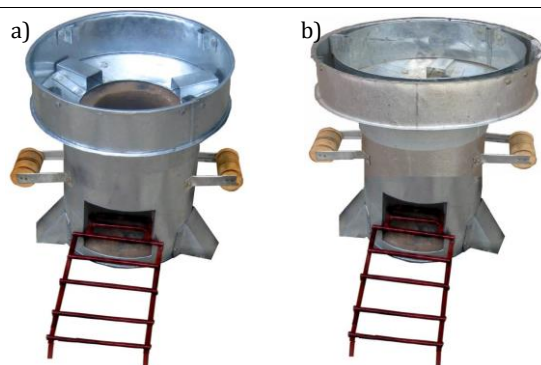


Figure 5: (a) Single and (b) double skirt Tikikil stove models ⁸

Both models, the single skirt and double skirt Tikikil stove have fuel savings of over 60% compared to open fire⁹ ¹⁰and a thermal efficiency of 28% for the double skirt¹¹and 33% for the single skirt model¹⁰.

To be conservative we will use the value of the double skirt Tikikil stove (28%) for ex.ante emission reduction calculation.

The Tikikil stove will be bought at the *Woreda* level and distributed to interested households at *Kebele* level along with the built in Mirt stove.

SECTION C. Proof of project eligibility

C.1. Scale of the Project

Please tick where applicable:

Project Type	Large	Small
	☐	☐

⁸ MoME/ MoARD/GTZ-SUN: Manual for Production of a Household Rocket Stove "Tikikil"

⁹ GTZ SUN ENERGY (2011)_Memo, Result of stove testing

¹⁰ GTZ SUN ENERGY Project (2009):Water Boiling Test Results Of Various Types of Household and Institutional Wood Stoves for Non-Injera Cooking (Draft),

	☐	x
	☐	☐
	☐	☐
	☐	☐

	☐
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C.2. Host Country

The geographical area within which this CPA 1 is implemented is the territory of the Federal Democratic Republic of Ethiopia. The first distribution of ICSs under this CPA will occur in the Amhara region in the Woredas of East Belesa and Ebenat. Coordinates of the Amhara region are Latitude: 13.659960, Longitude: 36.449777 (upper left corner). All ICSs disseminated under this CPA shall have a unique serial number, allowing to doubtlessly identify the appliance. Serial numbers are transferred to the corresponding CPA electronic record keeping system. An electronic record keeping system for the CPA will be operated and maintained by the managing entity.

C.3. Project Type

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	☐	x

Does your project activity classify as an End-use Energy Efficiency Improvement project?	x	☐
Does your project activity classify as waste handling and disposal project?	☐	x

Please justify the eligibility of your project activity:

Assessment of PoA eligibility:

Criteria	Description	Eligibility Yes/No
Scale	The CPA 001 will be small-scale energy efficiency projects below 180 GWh thermal energy savings	Yes
Host country	Federal Democratic Republic of Ethiopia (Non-Annex 1 country)	Yes
Type	End-use energy improvement, "Improved distributed heating and cooking devices".	Yes
Greenhouse gases	CO ₂	Yes
Receipt of ODA in return for carbon credits	No ODA is received in return for carbon credits(see Annex 1)	Yes
Project timeframe	Not applicable, regular GS CDM registration stream	Yes
Other certification schemes	No other voluntary carbon schemes	Yes
CPA compliance with GS eligibility criteria	The CPA 001 is compliant with the eligibility criteria stated above	Yes

CPA timeframe:

This is a regular CPA submission since a Local Stakeholder Consultation has been conducted as per Gold Standard requirements before the start of implementation.

The starting date of the CPA 001 is 10/03/2014, the date when funding was approved for implementation. The starting date of the CPA 001 crediting period however will be the date of CPA inclusion, and the CPA crediting period will not exceed the PoA end date.

The project aims to disseminate improved cook stoves in the Federal Democratic Republic of Ethiopia. Therefore the project is in accordance with Gold Standard's project type eligibility criteria given in the GS toolkit Annex C i.e. "Improved distributed heating and cooking devices".

End users are aware of and willing to give up their rights on emission reductions by signing contractual agreement with the project developer.

[Timeline of important milestones of the PoA](#)

<u>Date</u>	<u>Milestone</u>
<u>15/11/2013</u>	<u>LSC physical meeting</u>
<u>29/01/2014</u>	<u>GS start date of the PoA (date of the first Submission of the PoA DD to the Gold Standard)</u>
<u>10/03/2014</u>	<u>GS start date of CPA 1 (date when funding was approved for implementation)</u>
<u>13/10/2014</u>	<u>CDM Registration date</u>

Pre Announcement	Yes	No
Was your project previously announced?	☐	x
Explain your statement on pre announcement There has not been a public announcement of the project going ahead without carbon funding. The project was planned as a project financed entirely by carbon revenues right from the beginning (Only a small pilot project was realized before the GS project started; it will not be part of the CPA).		

C.4. Greenhouse gas

Greenhouse Gas	
Carbon dioxide	x
Methane	☐
Nitrous oxide	☐

C.5. Project Registration Type

Project Registration Type			
Regular			x
Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	☐	☐	☐

If Retroactive, please indicate Start Date of project activity dd/mm/yyyy: _____

SECTION D. Unique project identification

D.1. GPS-coordinates of project location

	Coordinates
Latitude	13° 39' 35.856"N
Longitude	36° 26' 59.197" E



Explain given coordinates

The geographical area within which this CPA 001 is implemented is the territory of the Federal Democratic Republic of Ethiopia.

The first distribution of ICSs under this CPA will occur in the Amhara region in the Woredas of East Belesa and Ebenat. The given coordinates present the upper left corner of the Amhara region shown in Figure 7 below.

D.2. Map



Figure 6: The physical boundary of the PoA marked in red - the Federal Republic of Ethiopia. Source: <https://www.googlemaps.com> last access: 08.09.14/

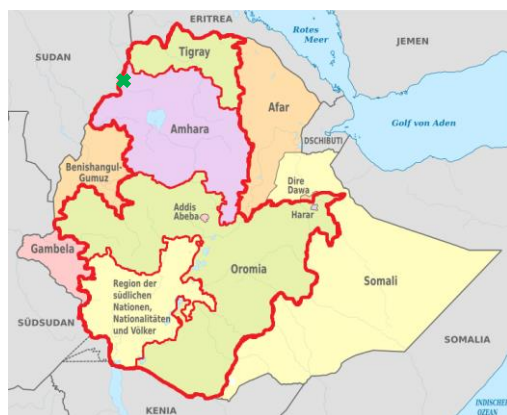


Figure 7: Thick red line is Marking 4 Regions Tigray, Amhara, Oromia and SNNPR. Thin red line is marking the border between the 4 Regions. Amhara region is colored pink and the project location is marked with a green cross.

SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

[See Local Stakeholder Consultation Report B.5 and insert table from "C.3.iii Assessment of all comments". Insert a summary of alterations based on comments]

Minutes of physical meeting(s)

The meeting was held on November 15th 2013 at 08:30 AM, at Bahirdar, Jacaranda Hotel, in Bahirdar, Amhara, Ethiopia. It was held in Amharic.

All the invitees are directly or indirectly affected by the project. The World Food Programme as CME tried to include all different groups of affected people. Participant from all over Ethiopia were invited by making use of WFP's sub-offices in the four target regions.

Attendants from the following authorities took part in the LSC:

- ICS users
- Users of traditional stoves
- Village Chairmen
- Governmental institutions (Regional Bureaus of Ministry of Agriculture, Ministry of Water and Energy and Health Bureau, Mines & Energy Agency, MoE, Federal)
- Non-governmental Organizations working in Ethiopia (GIZ, Regional Sub-offices of WFP)

The meeting started with a formal welcome of the deputy head of the regional Bureau of Agriculture and the WFP representative as representative of the CME. It was explained that the LSC was part of the GS validation process.

Then the scope and the purpose of the PoA were presented by WFP and atmosfair. WFP focused on the explanation of administration and implementation issues, including the planned modalities of stove distribution and the plans to start the implementation of the programme in Amhara, Oromya, Tigray and South (SNNPR) regions. atmosfair explained the CDM and Gold Standard process in general and its specific implications for this cook stove PoA. After that a regional GIZ representative presented the efficient cook stove technology, with focus on the two stove models that will be distributed in the PoA, the Mirt and the Tikikil stove. He gave details about the local production of these stoves, their functioning and instructions for their usage.

After a short tea break, efficient stove users from a pilot activity in Ebnat Woreda reported their experiences. They mentioned, among others, that the 3 stone fires which they used before had considerable disadvantages due to high fuel consumption, fire hazard for children and smoke generation. They reported that with the efficient stoves they save fuel and thereby also time to collect firewood. They liked the new stoves because they also help overcome health and security issues for women and children and because they are comfortable to use, moreover they mentioned that on the

long term, they expect an improvement of natural vegetation with less erosion, due to reduced firewood extraction.

The next point of the agenda consisted in a question-and-answer session. Participants were requested to ask questions on all the presentations they heard and other relevant issues. The LSC Report includes details about the question-and-answer section.

After the lunch break, the participants worked on the sustainability matrix. After a general explanation of the matrix and the indices, three groups were formed. Each of the groups obtained more detailed guidance on how to fill the sustainability matrix and then discussed on scores for the different indicators and justifications. At the same time, they discussed on possible monitoring of the SD indicators. Then each group presented its results to the plenary where the final scores (see D.2), as well as recommendations for SD monitoring were agreed on.

Afterwards, the continuous input and grievance mechanism was discussed. WFP suggested contact details which the participants agreed on (see E.2).

Then a short open session of comments and questions followed which centered on the administrative framework of the PoA. The role of the different institutions and ministries, which had already been discussed in the question-and-answers session, was explained again. The discussion mainly centered on the roles of the different ministries and their agents at Woreda level. It was found that there are some differences between Woredas in terms of organisational structure, but that these differences would not impact the implementation of the PoA since flexibility will be given to Woredas for the details of stove distribution. It was explained again that the PoA was planned as an “open” PoA where other institutions will be given the possibility to insert their own CPAs into the PoA in the future; and that this should be possible at low or no costs since the dissemination of clean cook stoves is a priority for the country.

Participants also agreed that the meeting had a sufficient outreach to be regarded as a stakeholder meeting at the PoA level.

Participants then filled in the feedback forms, and there was also a short evaluation of the meeting. Participants expressed their satisfaction with the meeting and with the fact that representatives of four different regions had been invited. There was also a consensus that stove dissemination should start as soon as possible.

The meeting was then closed.

Assessment of all comments

Many stakeholders underlined their interest in participating in the project. The questions and comments turned around the following issues:

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)

Suggestion to give carbon revenues directly to the communities.	The comment was taken into account, but without changing the PoA.	The expected revenues are already needed to subsidize the stoves that will be distributed to communities nearly for free.
Suggestion of some stakeholders to give responsibility of stove distribution to the Ministry of Water/Energy instead of the Ministry of Agriculture.	The comment was taken into account by giving flexibility to woredas for stove distribution, working with the staff most suitable for stove distribution, independently to which ministry they would belong.	It was explained that the ministry of agriculture counts with the best network at the village level and therefore has the main responsibility in stove distribution.
Suggestion to extend the PoA more quickly, including other areas from the beginning.	The comment was taken into account, but without changing the PoA.	Implementation will be as quick as possible in any case; distribution of 200,000 stoves is however a huge task, it is necessary to start with some defined areas.
Suggestion to include other measures and technologies.	The comment was not taken into account.	This specific PoA is for cook stoves exclusively, CDM does not allow for combining with other technologies; but in any case, it is sensible to focus on a certain technology.

Summary of alterations based on comments

Flexibility will be given to woredas for stove distribution, they may work with the staff most suitable for stove distribution, independently to which ministry they would belong.

This was however not a huge alteration and it will not change the overall implementation plan.

The sustainability matrix assessment was discussed in form of group work. After a general explanation of the matrix and the indices, three groups were formed. Each of the groups obtained more detailed guidance on how to fill the sustainability matrix and then discussed on scores for the different indicators and justifications. At the same time, the groups discussed on possible monitoring of the SD indicators. After the group discussions, each group presented its results to the plenary where the final

scores, as well as recommendations for SD monitoring were agreed on. No disagreements or comments occurred regarding the SD indicators.

The local stakeholder consultation, carried out in Bahir Dar on 15.Nov. 2013 shall be valid for a group of the first 5 CPAs. The decision of conducting one LSC for a group of CPAs was based on the facts that all CPAs will

- deploy the same technology. A combination of Mirt and Tikikil stove will be used in all CPAs covered by this LSC. The ICS deployed will reach a thermal efficiency of at least 20% and will be presented to the HH in cooking demonstrations.
- Implementation and thus start date of all CPAs included in the group will start within a timeframe of 3 years to fulfil the requirements of the Do No Harm Assessment of the GS PoA Passport
- deploy the same distribution mechanism
- take place in the same project area
- address the same target population

Therefore, all included CPAs need to fulfil the following eligibility criteria for inclusion in LSC CPA group with evidences provided at time of CPA listing and checked at the stage of validation.

N°	Eligibility criteria for inclusion in LSC group	Evidence document
1	The activity of the CPA is similar, i.e. it is the dissemination of improved cookstoves (ICS), namely Mirt stove and Tikikil stove as described in Section B.	CPA-DD
2	The ICS deployed in the CPA has a thermal efficiency of at least 20%	The results of a water boiling test or of any other stove testing protocol which is in compliance with the applied methodology are described in the specific CPA-DD Section D.7.1.
3	The ICS type is similar i.e. combination of Mirt and Tikikil stove	Stove type, stove specifications and compliance with the technological requirements of AMS-II G is described in the specific CPA-DD Sections A.5 (stove types and specifications) and D.2. (compliance technological requirements).

4	Implementation and thus start date of all CPAs included in the group will start within a timeframe of 3 years	start date indicated in the CPA-DD
5	CPA is in line with the Do No Harm Assessment requirements as determined in the PoA Passport and does not compromise any of the safeguarding principles.	Written declaration by implementing agency/ PP
6	Documented cooking demonstrations are carried out for the HH where ICS dissemination will take place	<u>Documentation Report</u> of cooking demonstrations, <u>that were</u> carried out <u>for HH where ICS demonstration will take place.</u>
7	Distribution mechanism: The dissemination of ICSs to households will be the same for all CPAs of that group. It will be achieved in cooperation with the Ministry of Agriculture and its offices at the Woreda level. The CPAs will be implemented under the institutional setting described in section C of the PoA-DD.	CPA-DD
8	Project area: The geographic boundary of the PoA is the Federal Democratic Republic of Ethiopia. All CPAs are determined by number of stoves, not by geographic boundaries. CPAs may overlap geographically, but the group of CPAs will be implemented within the core area of the project, comprised of the four regions: Tigray, Amhara, Oromia and SNNPR.	Document: Stove distribution database
9	Target population: The target population of all CPAs of this group are particularly rural households	CPA-DD Rural households in Ethiopia have very similar cultural and socio-economic characteristics in terms habits related to cooking (staple food injera) and fuel wood collection.
10	<u>Non Diversion of ODA: The CME and the CPA operator (in case of being different from the CME) shall confirm that in case of public funding there shall not be diversion</u>	<u>In case of ODA involved in funding or pre-funding parts of a CPA, a confirmation that no</u>

of Official Development Assistance. , i.e. confirm that ODA is not provided under the condition that some parts or all of the CERs are transferred to the donor country.

diversion of ODA occurs will be provided.
Document: Statement of CME and the CPA operator (in case of being different from the CME) that ODA is not provided under the condition that some parts or all of the CERs are transferred to the donor country.

A new LSC will be conducted in the following cases:

- for the inclusion of the 6th CPA
- in case an area with different cooking habits should be identified and included into the PoA (such as a refugee camp with people stemming from another country
- a new stove type is included (e.g for institutions, schools)
- stoves are distributed to other regions than the core region (Tigray, Amhara, Oromia and SNNPR)

E.2. Stakeholder Feedback Round

The local stakeholder consultation process including SFR have been carried out on CPA level and shall be valid for a group of the first 5 CPAs.

The Stakeholder Feedback Round enables all relevant Stakeholders who have been invited to the Local Stakeholder Consultation, taking place on November 15th 2013, to comment on the project as well as its planned implementation. Furthermore additional stakeholders from all over Ethiopia and additional Stakeholders from the four core regions of the first five CPAs (Tigray, Oromia, Amhara and SNNPR) were invited to comment on the project, although they have not been invited to the LSC.

Stakeholders from all Ethiopia include the WFP sub-offices from all regions in Ethiopia, as well as national and international NGOs, research institutes and other national and international organisations working in Ethiopia. Additional stakeholders working in the core region of the Programme include NGOs, governmental organisations and Programmes and other institutions working in sectors of women empowerment, environmental protection, biodiversity, rural development and health. Also a cookstove producer and a biogas project working in the regions were contacted.

During the Stakeholder Feedback Round, atmosfair published the documents related to the project such as the Gold Standard Local Stakeholder Consultation Report and a PDD and GS Passport draft version on the WFP website (<http://www.wfp.org/content/annex-ak-%E2%80%93poa-design-consultation-report-template-0>) -as well as on the GS Registry. Additionally, the report will be available as printed version at the in the Bureaus of

Agriculture in the core regions of the Programme (Tigray, Amhara, Oromia and SNNPR). Every stakeholder will receive an e-mail with the relevant information on the procedure of the Feedback Round as well as the links to the above mentioned documents in order to comment on the project. Stakeholders without an e-mail address or internet access will be contacted via phone and informed about the possibility to get a copy in the Bureaus of Agriculture in Ethiopia. All Stakeholders will be encouraged to read through the project documents and to comment on it as well as to give suggestions for improvement. Furthermore the CME will include stakeholders from all over Ethiopia in the stakeholder feedback round. In this way stakeholders from all Ethiopia will be able to comment on the project design and its potential impacts although they have not been consulted during the initial LSC meeting.

The feedback round will then last for 2 months.

The Stakeholder Feedback Round is started on the 21st of April 2015 and ends on the 21st of June 2015.
Results of the Stakeholder Feedback round

We received comments from two institutions during the 2 month commenting period.

The comments generally appreciated the project itself and its set-up and raised the following suggestions:

- CDM and GS language and abbreviations in the documents made it hard to follow all provided documents
- Suggestion to include forest sector into the project
- Expansion of the programme to other regions, adaptation of stove design according to the needs in the region and linkage to ongoing programmes
- Management and coordination of the project should be with other Ministry instead of the Bureau of Agriculture (e.g. Water, Irrigation and Energy bureau)

Treatment of comments:

We acknowledged all comments and send the following responses:

- We recognized the difficult language of the documents and referred to the non-technical summary which was part of the documents for comments.
- The suggestion to include other measures and technologies (e.g. forestry), have already been discussed in the Local stakeholder consultation meeting. We explained that the project was designed as a CDM cookstove project and the monitoring and crediting of certificates will focus on this technology. However forestry benefits will definitely also occur as a result of the project. In the LSC similar comments have been addressed as described in the table above (Section E.1).
- The request for expansion of the project to other regions has already been discussed in the Local stakeholder consultation meeting. The comments have been addressed as described in the table above (Section E.1).
- The request for cooperation with ongoing initiatives and programmes in the project regions, as well as the adaptation of stove design to the needs of the people in the specific regions (within the scope of the eligibility criteria) and local stove production in new regions will certainly be accounted for during the extension of the project.
- The suggestion to give responsibility of stove distribution to other ministries than Agriculture has already been discussed in the Local stakeholder consultation meeting. The comments have been addressed as described in the table above (Section E.1).

E. 3. Discussion on continuous input / grievance mechanism

Discuss the Continuous input / grievance mechanism expression method and details, as discussed with local stakeholders.

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	WFP sub offices in all four regions Amhara region: Dessie <u>Dessie Sub-Office</u> <u>Telephone: +251 33111 4721</u> <u>P.O.Box: 1120</u> <u>Dessie-Amhara Region, Ethiopia</u>	The bureau of agriculture is a central place that will be known to beneficiaries.
	Tigray: Mekele <u>Mekelle Sub-Office</u> <u>Telephone: +251 34 440 5206/ +251 34 440 8011</u> <u>P.O.Box: 91</u> <u>Mekelle- Tigray Region, Ethiopia</u>	
	Oromia: Nazareth and Dire Dawa <u>Nazareth Sub-Office</u> <u>Telephone: +251 22 112 2660/+251 22 112 1521</u> <u>P.O.Box: 2535</u> <u>Nazareth-Oromia Region, Ethiopia</u>	
	South: Hawassa <u>Hawassa Sub-Office</u> <u>Telephone: +251 46 220 2101</u> <u>P.O.Box: 855</u> <u>Awassa-Southern Nations Nationalities Region, Ethiopia</u>	
	All woredas: District offices of the bureau of agriculture	
Telephone access	Kassu Kebede WFP Country office Mobile: 0911 339116	Ato Kassu Kebede is coordinating the implementation and can directly receive input.

Formatierte Tabelle

Formatiert: Schriftart: (Standard) Calibri, Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, 11 Pt., Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, 11 Pt., Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, 11 Pt., Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, Englisch (USA)

Formatiert: Schriftart: (Standard) Calibri, 11 Pt., Englisch (USA)

Formatiert: Deutsch (Deutschland)

Formatiert: Schriftart: (Standard) Calibri, Englisch (USA)

Formatiert: Abstand Vor: 0 Pt.

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	Land line: 0115 515188	
Internet/email access	Kassu Kebede WFP Country office kassu.kebede@wfp.org WFP.Addisababa@wfp.org	Ato Kassu Kebede is coordinating the implementation and can directly receive input. Alternatively the general contact of WFP Ethiopia is presented here.
Nominated Independent Mediator (optional)	n.a.	Stakeholders agreed that no mediator would be necessary since there will always be a close contact between ICS users and Kebele assistants.

All issues identified during the crediting period through any of the Methods shall have a mitigation measure in place. The identified issue should be discussed in the revised Passport and the corresponding mitigation measure should be added to sustainability monitoring plan in section G.

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
1. The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicit in Human Rights abuses.	Participation in the project is voluntary and project does not oblige beneficiary to change cultural lifestyle (cooking habits remain the same), it has no influence on human rights. The host country has ratified the following conventions: - UN International Covenant on Economic, Social and Cultural Rights 11	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken

¹¹ United Nations Treaty Collection (n.d.) *Human Rights*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtsg_no=IV-3&chapter=4&lang=en [Accessed: 01th July 2014].

	- UN International Convention on Civil and Political Rights¹² The CME will also respect the conventions as well as national regulations.		
2. The project does not involve and is not complicit in involuntary resettlement.	The project does not need or lead to resettlement; it is not related to land issues in any way. Participation of beneficiaries is voluntary.	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
3. The project does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage.	No modification in the cooking practice or kitchen structure is required. There will be no influence on cultural heritage.	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
4. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights	The WFP and the government of Ethiopia have high standards on working contracts. The host country has ratified the following Conventions: - ILO Convention 105¹³ - ILO Convention 100 (equal remuneration)¹⁴	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken

¹² **United Nations Treaty Collection** (n.d.) *International Covenant on Civil and Political Rights*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-4&chapter=4&lang=en [Accessed: 01th July 2014].

¹³ **ILOLEX Database of International Labour Standards** (n.d.) *ILO Convention 105 (Abolition of Forced Labour Convention)*, [online] Available at: <http://www.ilo.org/ilolex/english/convdisp1.html> [Accessed: 01th July 2014].

¹⁴ **ILOLEX Database of International Labour Standards** (n.d.) *ILO Convention 100 (equal remuneration)*, [online] Available at: <http://www.ilo.org/ilolex/english/convdisp1.htm> [Accessed: 01th July 2014].

	Ethiopia is member of the International Labour Organization		
5. The project does not involve and is not complicit in any form of forced or compulsory labour.	The WFP and partners such as GlZ will sign a voluntary and fair working agreement with the stove producers and other employees, there will be no forced or compulsory labour. The host country has ratified the ILO Convention 29 (elimination of forced and compulsory labour) ¹⁵	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
6. The project does not employ and is not complicit in any form of child labour.	The WFP and the Ethiopian government agencies will ensure project does not employ and is not complicit in any form of child labour. The host country has ratified the UN Convention on the right of the child ¹⁶	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	Project structure and developers do not endorse any form of discrimination based on gender, race, religion, sexual orientation or any other basis. Main beneficiaries of the programme will be women, since women are responsible for cooking and are thus most affected by bad air quality and by the time consuming collection of firewood.	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken

¹⁵ **ILOLEX Database of International Labour Standards** (n.d.) *ILO Convention 29 (elimination of forced and compulsory labour)*, [online] Available at: <http://www.ilo.org/ilolex/english/convdisp1.htm> [Accessed: 01th July 2014]

¹⁶ **United Nations Treaty Collection** (n.d.) *Convention on the Rights of the Child*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtmsg_no=IV-11&chapter=4&lang=en [Accessed: 01th July 2014]

	The host country has ratified the - ILO Convention 111 (Discrimination in employment/occupation) ¹⁷		
8. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.	No involvement of hazardous material in ICS construction, however the ICS construction involves metal parts, which may hold the risk of injuries from cutting. There will be safe working conditions as required by law. The host country has ratified the following relevant convention: -UN Convention on Occupational Safety and Health ¹⁸	Medium	Mitigation measures will include working safety equipment for stove producers and safety instructions to avoid injuries from handling metal parts (e.g. cuts), and correct action in case of injuries.
9. The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle. This principle can be defined as: "When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if	The project's environmental impact is positive, no negative impacts are expected. The host country has ratified the following relevant conventions: - UN Kyoto Protocol to the United Nations Framework Convention on Climate Change ¹⁹ - UN Convention on Biological Diversity ²⁰	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken

¹⁷ **ILOLEX Database of International Labour Standards** (n.d.) *ILO Convention 111 (Discrimination in employment/occupation)*, [online] Available at: <http://www.ilo.org/ilolex/english/convdisp1.htm> [Accessed: 30th June 2014]

¹⁸ **ILOLEX Database of International Labour** (n.d.) *ILO Convention 161 (Occupational Safety Services)* [online] Available at: <http://www.ilo.org/ilolex/english/convdisp1.htm> [Accessed: 30th June 2014]

¹⁹ **United Nations Treaty Collections** (n.d.) *Environment (Kyoto Protocol to the United Nations Framework Convention on Climate Change)*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-7-a&chapter=27&lang=en [Accessed: 30th June 2014]

²⁰ **United Nations Treaty Collection** (n.d.) *Environment (Convention on Biological diversity)*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-8&chapter=27&lang=en [Accessed: 30th June 2014].

some cause and effect relationships are not fully established scientifically.”	- UN Convention to combat Desertification ²¹		
10. The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognised as protected by traditional local communities	The project is a mitigation measure; it protects natural habitats by decreasing fuelwood demand and harvesting from local forests. Therefore, it is not complicit in significant conversion or degradation of critical natural habitats.	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
11. The project does not involve and is not complicit in corruption.	WFP and Ethiopian government agencies have strict regulations to combat corruption. Thereby, the risk of corruption is minimized.	Low	No risk was perceived for this safeguarding principle, hence no mitigation measures need to be taken
Additional relevant critical issues for my project type	Description of relevance to my project	Assessment of relevance to my project (low, medium, high)	Mitigation measure

F.2. Sustainable Development matrix

Insert table as in section D3 from your Stakeholder Consultation report (Sustainable Development matrix).

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score

²¹ **United Nations Treaty Collection** (n.d.) *Environment (United Nations Convention to Combat Desertification in those Countries Experiencing Serious Drought and/or Desertification, Particularly in Africa)*, [online] Available at: http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtsg_no=XXVII-10&chapter=27&lang=en [Accessed: 30th June 2014].

Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	Check www.undp.org/mdg and www.mdgmonitor.org Describe how your indicator is related to local MDG goals	Defined by Coordinating and Managing Entity	<u>Negative impact:</u> score '-' <u>No change impact:</u> score '0' <u>Positive impact:</u> score '+'
Air quality	n.a	Ensure environmental sustainability	Parameter: Number of ICSs used disseminated in use. Question to ICS users during monitoring if indoor air quality has improved. Explanation: The reduction of cooking smoke due to the usage of ICS will have a positive impact on the indoor air quality, since less harmful smoke and CO is produced while cooking.	+
Water quality and quantity	n.a	Ensure environmental sustainability	Parameter: (Decreased) Fuel wood consumption influencing water household of the soil and runoff. Explanation: No direct impact on water quality and quantity, thus the connection to the project activity is hard to determine.	0
Soil condition	n.a	Ensure environmental sustainability	Parameter: Soil erosion caused by deforestation. Parameter will not be monitored because scoring is zero.	0

			Explanation: No direct impact on soil condition thus the connection to the project activity is hard to determine.	
Other pollutants	n.a	Ensure environmental sustainability	Parameter: Use of harmful chemicals, level of noise, light pollution. Parameter will not be monitored because scoring is zero. Explanation: No other pollutants issues will be involved in this project. The project does not involve any harmful chemicals. No light pollution during sleeping hours or high levels of noise are expected.	0
Biodiversity	n.a	Ensure environmental sustainability	Parameter: Number of affected and/or threatened plants or animals. Parameter will not be monitored because scoring is zero. Explanation: No direct impact on biodiversity, thus the connection to the project activity is hard to determine.	0
Quality of employment	n.a	Eradicate extreme poverty and hunger	Parameter: Trainings for stove producers. Explanation: Qualified jobs will be created for stove producers, they will receive trainings and supervision on stove production and possible safety measures during stove production.	+
Livelihood of the poor	n.a	Eradicate extreme poverty and hunger	Parameter: Money spent for fuel wood purchase or time spent to collect fuelwood.	0

			Parameter will not be monitored because scoring is zero. Explanation: The ICS will improve the livelihood of the poor because they will spend less time and money for firewood collection. Also people inside their houses will suffer less from smoke. But since these parameters are better attributable to other indicators the indicator is set neutral.	
Access to affordable and clean energy services	n.a	Ensure environmental sustainability	Parameter: Number of ICSs distributed Explanation: Access to efficient technology at a highly reduced price.	+
Human and institutional capacity	n.a	Promote gender equality	Parameter: Asset of free time for women for child care or income generation. Parameter will not be monitored because scoring is zero. Explanation: Reduction in time needed for fuelwood collection thus freeing up time for childcare or income-generating activities. Reducing or eliminating the need to gather wood empowers women. The time savings for fuelwood collection will be monitored for parameter "Quantitative employment and income generation". However, how time savings will affect childcare and women empowerment is difficult to quantify, therefore this parameter is scored zero. .	0
Quantitative employment	n.a	Eradicate extreme	Parameter: Number of jobs created by the project activity.	+

and income generation		poverty and Hunger	Qualitative question in the monitoring questionnaires on the savings for fuel wood for stove users (time and/or money). Explanation: The project will generate various employment opportunities for local stove producers.	
Access to investment	n.a	Eradicate extreme poverty and hunger	Parameter: Amount of domestic and foreign direct investment Parameter will not be monitored because scoring is zero. Explanation: The fuel wood comes from local supply so the reduction of its use will have no effect on balance of payments and investment.	0
Technology transfer and technological self-reliance	n.a	Eradicate extreme poverty and Hunger	Parameter: Development of a new technology. Parameter will not be monitored because scoring is zero. Explanation: A new technology introduced to the households and thus made available for the people. But uptake outside the project area difficult to determine.	0
Justification choices, data source and provision of references (A justification paragraph and reference source is required for each indicator, regardless of score)				
Air quality	Air quality will be improved since ICS burn wood more efficiently with less smoke generation. Unimproved stoves emit large amounts of smoke that is inhaled by cooks. Smoke is harmful and may cause health problems such as: coughing, eye irritation, asthma, headaches, lung problems, etc. The World Health Organization estimates that 4.3 million people a year die prematurely from illness attributable to the household air pollution caused by the inefficient use of solid fuels (2012 data) ²² . The improved cook stoves emit fewer pollutants. The Mirt and the Tikikil Stove both have the advantage of			

²² <http://www.who.int/mediacentre/factsheets/fs292/en/#>

	low emissions. From the Memo Report provided by GIZ it can be seen that mirt has a potential to significantly reduce pollutant levels in the kitchen compared to three stone/open fire- around 90% and 30% respectively for CO and PM were recorded.²³ Firewood savings are due to more efficient burning. Evidence of direct relationship between improved cook stoves and emissions of air pollutants include: R. Perez Padilla et al, 2010. 'Respiratory health effects of indoor air pollution' in International Journal of Tuberculosis and Lung Disease, vol. 14 no. 9, pp1079-1086. The text says that one half of the world's population is exposed to high concentrations of solid fuel smoke (biomass and coal) that are produced by inefficient open fires, mainly in the rural areas of developing countries. WHO, 2002. World Health Report: Reducing Risks, Promoting Healthy Life. World Health Organisation, Geneva. According to the report, studies have shown reasonably consistent and strong relationships between the indoor use of solid fuel and a number of diseases. These analyses estimate that indoor smoke from solid fuels causes about 35.7% of lower respiratory infections, 22.0% of chronic obstructive pulmonary disease and 1.5% of trachea, bronchus and lung cancer. Indoor air pollution may also be associated with tuberculosis, cataracts and asthma. Further the report states that: The most important interventions to reduce this impact are better ventilation, more efficient vented stoves, and cleaner fuels. Cited in Eduardo Carcia-Frapolli et al, 2010. 'Beyond Fuelwood Savings: Valuing the economic benefits of introducing improved biomass cookstoves in the Purechepa region of Mexico' in Ecological Economics, vol. 69, pp2298-2605. The study recognizes that efficient cookstoves have been distributed in order to combat very significant health as well as climate change impacts from the use of biomass for cooking. Further it analyses the economic benefits of the use of ICS and reveals they stem from fuelwood savings and reductions in health impacts. Technical measurements of indoor air pollution are costly and sophisticated. Since evidence shows direct links between use of improved cook stoves and reduction in exposure to harmful smoke and particulate matter, this project will monitor this indicator based on wood consumed by households and also by asking households if they perceive an improvement of indoor air.
Water quality and quantity	There might be a slight indirect positive impact due to the prevention of soil erosion which typically leads to increased sedimentation when eroded soil material is washed into rivers (see e.g. www.un.org/esa/sustdev/csd/csd15/lc/GTZ_hem.pdf and Iowa State University 2009, Recourse Conservation Practices: Soils Erosion and Water Quality.²⁴ However there is no direct impact on quality and quantity of

²³ GTZ SUN ENERGY (2011)_Memo, Result of stove testing:

https://energypedia.info/wiki/File:Memo_Result_of_stove_testing_Hiwote_Teshome_Internal_report_GTZ-SUN_Energy_06.06.2007.pdf

²⁴

<http://www.google.de/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CCsQFjAB&url=http%3A%2F%2Fstore.extension.iastate.edu%2Fproduct%2FSoil-Erosion-and-Water-Quality-Resource-Conservation-Practices-PDF&ei=Kt4sVcrVC8bNygPRwICAAG&usq=AFQjCNGDXJW3P0Wj-dsE4CkSE3f0TF5NtQ&bvm=bv.90790515,d.bGQ>

	water. There is no kind of release of pollutants into any kind of water linked to the implementation of the project. Therefore a neutral score was chosen.
Soil condition	By reducing fuelwood consumption and the pressure on the forest resources, the project can contribute to the preservation of the forest cover and hence protect against soil erosion (see e.g. www.un.org/esa/sustdev/csd/csd15/lc/GTZ_hem.pdf). But since this positive effect is only an indirect consequence of the project, a neutral scoring was chosen.
Other pollutants	There is no evidence to suggest that this type of projects relates to any other pollutants like increased noise level, noise frequency or light pollution.
Biodiversity	By reducing fuelwood consumption and the pressure on the forest resources, the project may contribute to the preservation of the forest cover and hence biodiversity (see e.g. www.un.org/esa/sustdev/csd/csd15/lc/GTZ_hem.pdf). But since this positive effect is only an indirect consequence of the project, a neutral scoring was chosen.
Quality of employment	Cook stove producers working for the project will receive trainings on stove construction, including safety measures. Additionally a handbook for cookstove construction will be provided. A list and agenda of the trainings will be provided during monitoring. Without the project, no safety training will be provided for the stove producers. The provision of first aid kits and training on how to act in cases of injuries will increase safety and wellbeing at work and thus increase quality of employment.
Livelihood of the poor	The project will improve livelihoods by fuelwood savings and time savings, as well as by the creation of new jobs in stove production. The Mirt and Tikikil stove save about 50% of the fuel compared to a three-stone stove. This is due to the closed burning chambers and the resulting higher efficiency of energy use for cooking. Due to the firewood savings, households need to collect less firewood and thus save time that, can be used for other activities. Evidence can be found on: http://www2.gtz.de/dokumente/bib-2010/gtz2010-0202en-stove-carbon-market.pdf , page 4. World Bank, 2011. 'Household Cookstoves, Environment, Health, and Climate Change: a New Look at an Old Problem' available at http://cleancookstoves.org/resources_files/household-cookstoves.pdf Both parameters are monitored under different indicators (access to affordable and clean energy services and quantity of employment and income generation). However, since the livelihood of the poor also strongly depends on factors such as education, access to health and sanitary services etc., which cannot be influenced by the project, the indicator is scored neutral.
Access to affordable and clean energy services	The project is designed to provide cleaner, safer, more affordable and more efficient cooking equipment than traditional stoves to poor household by means of carbon finance. The savings of non-renewable biomass due to the project will be also be measured as part of the monitoring of ER.
Human and institutional capacity	The use of ICS might have a slightly positive impact on gender equality by reducing time spent cooking and the time spent to collect wood (both task made mainly by women). http://www.appropedia.org/Improved_cook_stoves However, the project does not anticipate contributing to human and institutional capacity in such a way that it can be easily attributed to the project. Gender equality, education and empowerment are not directly

	addressed by the project activity. Since any such impact is difficult to demonstrate, a neutral score is given.
Quantitative employment and income generation	The project will lead to increased economic and employment opportunities. Jobs will be created particularly for stove producers, i.e. mainly stove construction workers and possibly also jobs in the management of new manufacturers. The number of jobs created will be monitored. Furthermore we will qualitatively monitor the income generation of stove users through savings for fuel wood for stove users (time and/or money). Stakeholders discussed this parameter during the LSC together with the parameter of income generation of the stove producers and decided to monitor those parameters together under the “quantitative employment and income generation” indicator. For them it seemed the surplus of income which remains for the household due to lower fuelwood expenses is equivalent to income generation. Therefore the parameters are listed here together.
Access to investment	There will be no significant effect on the balance of payments since only fuel wood is replaced and no imported fuels. Firewood is the common fuel in rural Ethiopia (Environmental Protection Authority (2003): State of the Environment Ethiopia. Addis Ababa: Environmental Protection Authority, Annex 4).
Technology transfer and technological self-reliance	The project disseminates a new technology on a larger scale in selected areas. The technology was developed in Ethiopia, therefore the dissemination of stoves to households is not considered as technology transfer. It is not yet possible to assess a possible uptake of the technology outside the project area – therefore a neutral score is given.

SECTION G. Sustainability Monitoring Plan

No	1
Indicator	Air quality
Mitigation measure	N/A
<i>Repeat for each parameter</i>	
Chosen parameter	Number of Improved cook stoves in use Results from question to ICS users during monitoring, if indoor air quality has improved.
Current situation of parameter	No ICSs in use yet. Indoor air pollution due to the use of traditional stoves.
Estimation of baseline situation of parameter	No dissemination of ICSs. No reduction of harming indoor air pollution.
Future target for parameter	The objective of the CPA 001 is to distribute 18,000 pairs of fuel efficient cooking stoves to particularly rural households or institutions in Ethiopia.
Way of monitoring	How Sales records (Database) Sample survey will include question on improvement of air quality.

	When	Sales are recorded continuously. Reporting about ICS in use and sample survey with questionnaires will be performed according to the frequency specified in the CPA-DD (Annual <u>at least every second year or biennial</u>). Records will be maintained until the end of the crediting period.
	By who	Dedicated monitoring teams appointed and trained by the Project Proponent

No	2	
Indicator	Quality of employment	
Mitigation measure	N/A	
Repeat for each parameter		
Chosen parameter	Trainings for stove producers on stove production and possible safety measures during stove production.	
Current situation of parameter	No ICS implemented under the PoA. Therefore no stove producers have been trained so far.	
Estimation of baseline situation of parameter	Under the baseline situation the stoves to be introduced are widely unknown. Therefore no special trainings for stove producers will take place.	
Future target for parameter	Trainings for stove producers depend on the implementation schedule and are to be decided on a case by case basis, thus future target of parameter is unknown.	
Way of monitoring	How	Number of internal and external trainings, description of training.
	When	<u>At least every second year</u> Annual or biennial . Records will be maintained until the end of the crediting period.
	By who	Project proponent

No	3	
Indicator	Access to affordable and clean energy services	
Mitigation measure	N/A	
Repeat for each parameter		
Chosen parameter	Number of Improved cook stoves in use.	
Current situation of parameter	No ICSs in use yet.	
Estimation of baseline situation of parameter	No dissemination of ICSs.	
Future target for parameter	The objective of the CPA 001 is to distribute 18,000 pairs of fuel efficient cooking stoves to particularly rural households in Ethiopia.	
Way of monitoring	How	Sales records (Database)
	When	Sales are recorded continuously. Reporting about ICS in use will be performed according to the frequency specified in the CPA-DD (<u>at least every second year</u> Annual or

		biennial). Records will be maintained until the end of the crediting period.
	By who	Project proponent

No	4
Indicator	Quantitative employment and income generation
Mitigation measure	N/A
<i>Repeat for each parameter</i>	
Chosen parameter	Number of jobs created by the project activity Qualitative question in the monitoring questionnaire on the savings (time and/or money) of stove users due to reduced amount of fuel wood needed for cooking.
Current situation of parameter	No jobs have been created so far, since the dissemination of the stoves has not started yet. No increased income generation for households, since they still use the traditional stoves and a lot of fire wood.
Estimation of baseline situation of parameter	Without implementation of the new stoves through this programme, there will not be additional jobs for stove producers. No increased income generation for households, since they will continue to use the traditional stoves and a lot of fire wood.
Future target for parameter	Since the CPA 001 aims to distribute 18,000 pairs of locally fabricated ICS all over Ethiopia, there will be jobs created in the stove producing sector. The number of stove producers depend on the implementation schedule and the production capacity of each stove producer. Therefore the future target of parameter is unknown. Since the ICS save fuelwood through higher efficiency, the ICS are expected to save about 2.34 tons of firewood per year per-household (see PoA DD part II section B2). It is thus expected that time needed for fuelwood collection/money spent for purchase of fuelwood will decrease.
Way of monitoring	How There will be a reporting form to be used by the CME which will record the stove producers working for the PoA, the number of staff and staff positions.. Since CPAs are divided by numbers of stoves, not by geographic borders, a clear assignment of staff to the CPAs is not possible.

		Sample survey will include qualitative question on the savings (time and/or money) due to reduced need of fuel wood for stove users.
	When	At least every second year annual or biennial . Records will be maintained until the end of the crediting period.
	By who	Dedicated monitoring teams appointed and trained by the Project Proponent

Mitigation Measure for Safeguarding principle No. 8		
Safeguarding principle		The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments
Mitigation measure		Mitigation measures will include working safety equipment for stove producers (e.g. gloves, first aid kits) and safety instructions. Furthermore stove producers will receive training on stove production and possible safety measures during stove production (see ID 02).
Way of monitoring	How	During the monitoring survey (at least every second year annual or biennial), the designated monitoring teams checks if mitigation measures are in place at the stove producers.
	When	At least every second year annual or biennial . Records will be maintained until the end of the crediting period.
	By who	Project Proponent

Additional remarks monitoring

SECTION H. Additionality and conservativeness



This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

H.1. Additionality

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Not applicable. The project proponent followed Gold Standard guidance for additionality.

H.2. Conservativeness

Not applicable. The project proponent followed Gold Standard guidance for baseline Selection and Monitoring Methodology.

ANNEX 1 ODA declaration



ANNEX D - OFFICIAL DEVELOPMENT ASSISTANCE DECLARATION

Date: 22.04.2016

The Gold Standard Foundation

79 Avenue Louis Casai

Geneva Cointrin, CH-1216

Switzerland

RE: Declaration of Non-Use of Official Development Assistance by Project Owner of GS 2722

World Food Programme Ethiopia

As Project Owner of the above-referenced project, and acting on behalf of all Project Participants, I now make the following representations:

Project Representative: Hakan Tongul

I hereby declare that I am duly and fully authorized by the Project Owner of the above-referenced project to act on behalf of all Project Participants and make the following representations:

I. The Gold Standard Documentation

I am familiar with the provisions of The Gold Standard Documentation relevant to Official Development Assistance (ODA). I understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance with the condition that some, or all, of the carbon credits (CERs, ERUs, or VERs) coming out of the project are transferred to the ODA donor country. I hereby expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the carbon credits issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery

If I learn or if I am given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the carbon credits generated from the project as a condition of investment, I will notify The Gold Standard immediately using the Amended ODA Declaration Form provided below.

III. Investigation

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The Gold Standard reserves the right to conduct an investigation into any project it reasonably believes may be receiving ODA with the condition that some or all of the carbon credits from the project will be transferred to the ODA donor country.

IV. Sanctions

I am fully aware that the sanctions identified in The Gold Standard Terms and Conditions may be applied to me or the above-referenced project in the event that any of the information provided above is false or I fail to notify The Gold Standard of any changes to ODA in a timely manner.

I swear that all of the statements contained herein are true to the best of my knowledge.

Signed: Habte TONGEL
Name: Habte TONGEL
Title: Head of Program
On behalf of: _____
Place: WFP Ethiopia





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