




**Validation report form for renewal of CDM programme of activities period  
(Version 02.0)**

*Complete this form in accordance with the instructions attached at the end of this form.*

**BASIC INFORMATION**

<b>Title and UNFCCC reference number of the programme of activities (PoA)</b>	Distribution of Improved Cook Stoves in Sub-Saharan Africa UNFCCC reference number: 9007
<b>Number and duration of the next period</b>	Number: Second renewal period Duration: 25/04/2020 to 24/04/2027 (including both the days)
<b>Version number of the validation report</b>	02
<b>Completion date of the validation report</b>	16/07/2020
<b>Version number of PoA-DD to which this report applies</b>	21
<b>Coordinating/managing entity (CME)</b>	C-Quest Capital Malaysia Global Stoves Limited
<b>Host Parties</b>	Senegal, Ghana, Nigeria, Malawi, Zambia, Zimbabwe.
<b>Applied methodologies and standardized baselines</b>	AMS II.G, version 11, Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass
<b>Mandatory sectoral scopes</b>	3
<b>Conditional sectoral scopes, if applicable</b>	Not applicable
<b>Estimated amount of annual average GHG emission reductions or GHG removals by sinks in the next programme of activities period</b>	Not applicable
<b>Name and UNFCCC reference number of the DOE</b>	E-0052: Carbon Check (India) Private Ltd.
<b>Name, position and signature of the approver of the validation report</b>	Amit Anand, CEO 

**SECTION A. Executive summary**

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The CME, C-Quest Capital Malaysia Global Stoves Limited, has appointed the DOE, Carbon Check (India) Private Ltd., (CC IPL) to perform the validation of the Renewal of the PoA period for the PoA “Distribution of Improved Cook Stoves in Sub-Saharan Africa” /B02/.

The term “UNFCCC criteria” refers to Article 12 of the Kyoto Protocol, the CDM modalities and procedures and the subsequent decisions by the CDM Executive Board. The independent Validation by the DOE is required on the PoA-DD /01/ to confirm the renewal of PoA period. This report summarises the post registration changes of the project with respect to requirements of CDM VVS for PoAs (version 02.0) /B01-1/. This report contains the findings and resolutions from the validation and a validation opinion.

**Scope:**

The scope of the validation is defined as an independent and objective review of the revised PoA-DD /01/, the baseline, monitoring plan and other relevant documents. The information in these documents is reviewed against the CDM VVS for PoAs (version 02) /B01-1/, CDM PCP for PoAs (version 02) /B01-3/ and CDM PS for PoAs (version 02) /B01-2/

The report is based on the assessment of the PoA-DD /01/, application of standard auditing techniques including but not limited to desk review, follow up actions (e.g., electronic (telephone or e-mail) interviews) and also the review of the applicable approved methodological and relevant tools, guidance and CDM decisions.

**Purpose, general description and location:**

The PoA helps in reducing the emission of greenhouse gases by distribution of the fuel-efficient cook stoves in individual households of the host countries identified in the PoA (Senegal, Ghana, Nigeria, Malawi, Zambia, Zimbabwe). The fuel-efficient cook stoves are replacing the non-efficient wood / charcoal stoves that were being used in the baseline scenario. Companies of the Republic of Korea- Ecoeye Co. Ltd., and Korea Impact Carbon Corporation will provide subsidy to distribute / install ICS on a commercial or a non-commercial basis by CPA Implementers and shall bear all implementation cost of the CPAs to make it financially viable for CPA implementers to operate the CPAs.

**Validation methodology and process**

The validation has been performed as described in the CDM VVS for PoAs (version 02.0) /B01-1/ and constitutes the following steps:

- Review of the approved revised PoA-DD /B02/
- Review of the revised PoA-DD /01/
- Desk review of relevant documents;
- Interview with representatives of the CME

**Conclusion:**

The review of the PoA-DD /02/ and the subsequent follow-up interviews have provided Carbon Check with sufficient evidence to determine the programme of activity fulfilment of all the stated criteria. In our opinion, the CDM programme of activity meets all applicable UNFCCC requirements for the CDM for renewal of the PoA period.

**SECTION B. Validation team, technical reviewer and approver****B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Document review	On-site inspection	Interviews	Validation findings
1.	Team Leader / Validator / Technical Expert	IR	Agarwalla	Sanjay Kumar	CC IPL	X	NA	X	X

**B.2. Technical reviewer and approver of the validation report for renewal of PoA period**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	Singh	Vikash Kumar	CC IPL
2.	Approver	IR	Anand	Amit	CC IPL

**SECTION C. Means of validation****C.1. Desk/document review**

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The validation was performed primarily based on the review of the revised PoA-DD /01/ /02/ and the supporting documentation. Documents reviewed or referenced during the validation are listed in Appendix 3 below.

**C.2. On-site inspection**

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No on-site visit was conducted. Validation team has checked the site visit requirements mentioned in the CDM VVS for PoAs, version 02 /B01-1/ and concluded to not conduct a site visit for the validation. Desk review of the submitted revised PoA-DD (version 19, dated 28/05/2020) /01/ and supportive evidences was done by the validation team. Validation team conducted remote interviews with the CME representatives on different topics as mentioned in section C.3 below. Also there is no pre-project information that is relevant to the requirements for renewal of the PoA period and may not be traceable after the renewal.

Duration of on-site inspection: DD/MM/YYYY to DD/MM/YYYY				
No.	Activity performed on-site	Site location	Date	Team member
1.	-	-	-	-

**C.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			

1.	Goswami	Tridip	C-Quest	29/05/2020	Discussion on the revised PoA-DD and the proposed RCP	Sanjay Kumar Agarwalla
2.	Verma	Pooja	C-Quest	29/05/2020	Discussion on the revised PoA-DD and the proposed RCP	Sanjay Kumar Agarwalla
3.	Garg	Vineet	C-Quest	29/05/2020	Discussion on the revised PoA-DD and the proposed RCP	Sanjay Kumar Agarwalla

**C.4. Sampling approach**

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Not applicable

**C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised**

Area of validation findings	No. of CL	No. of CAR	No. of FAR
<b>Programme of activities</b>	-	-	-
Compliance with PoA-DD form	-	02	-
Programme of activities period	-	-	-
Coordinating/managing entity and the project participants	-	-	-
Post-registration changes	-	-	-
<b>Generic component project activities</b>	-	-	-
Application and selection of methodologies and standardized baselines	01	-	-
Validity of original baseline or its update	-	-	-
Estimated emission reductions or net anthropogenic removals	-	-	-
Validity of monitoring plan	-	-	-
Eligibility criteria for inclusion of CPAs	-	-	-
Others (please specify) – Against UNFCCC I & R comment	01	-	-
<b>Total</b>	<b>02</b>	<b>02</b>	<b>-</b>

**SECTION D. Validation findings****D.1. Programme of activities****D.1.1. Compliance with PoA-DD form**

<b>Means of validation</b>	DR
<b>Findings</b>	CAR 01 and CAR 02 were raised and successfully resolved. Please refer to Appendix 4 for further details.
<b>Conclusion</b>	<p>CC IPL confirms the following:</p> <ul style="list-style-type: none"> <li>The compliance of the revised PoA-DD /02/ (with the valid version of the applicable PoA-DD form, version 09.0 including the instructions for completion of the form). This complies to the requirement of §284 of PS for PoAs, version 02 /01-2/ and §390 (a) (i) of VVS for PoAs (version 02.0) /B01-1/.</li> <li>CME has used the latest version of the CDM-PoA-DD form and assessment team confirms that the information transferred to the latest version of the PoA-DD /02/ is materially the same as that in the latest revised and approved PoA-DD /B02/. This complies to the requirement of § 381 and §390 (a) (ii) of VVS for PoAs (version 02.0) /B01-1/.</li> </ul> <p>The validation team confirms that the requirements of the CDM-PoA-DD FORM /B04/ filling guidelines and VVS for PoAs (version 02.0) /B01-1/ have been appropriately met.</p>

**D.1.2. Programme of activities period**

<b>Means of validation</b>	DR
<b>Findings</b>	-
<b>Conclusion</b>	As verified from the PoA-DD /02/, the start date of 2 <sup>nd</sup> PoA period proposed for this PoA is 25/04/2020 with the length of 7 years i.e. from 25/04/2020 to 24/04/2027. The 2 <sup>nd</sup> PoA period for the PoA commences on the day immediately after the expiration of the 1 <sup>st</sup> PoA period and hence is in compliance with § 390 (a) (v) of VVS for PoAs, version 02 /B01-1/.

**D.1.3. Coordinating/managing entity and the project participants**

Means of validation	DR, I		
Findings	-		
Conclusion	The Validation team has checked the names of the coordinating/managing entity and the project participants in the updated PoA-DD along with the project page on UNFCCC website for the PoA 9007 and the latest MoC statement available on UNFCCC web site.		
	As per the updated PoA-DD /02/, the coordinating/managing entity, project participants and parties involved in the programme of activites are:		
	Parties involved	Project participants	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
	The Netherlands	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
	Republic of Korea	Ecoeye Co., Ltd	No
	Republic of Senegal (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
	Republic of Nigeria (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
	Republic of Ghana (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
	Republic of Malawi (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
	Republic of Zambia (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No
Republic of Zimbabwe (host)	C-Quest Capital Malaysia Global Stoves Limited (CQC)	No	
Names of the coordinating/managing entity and the project participants in the updated PoA-DD /02/ are consistent with the names of the coordinating /managing entity and the project participants in the latest version of the MoC statement /B12/ in compliance with § 390 (a) (vi) of VVS for PoAs, version 02 /B01-1/.			

**D.1.4. Post-registration changes**

Type of post-registration changes (PRCs)	Confirmation (Y/N)	Validation report for PRCs	
		Version	Completion date
Corrections	NA	NA	NA
Inclusion of monitoring plan	NA	NA	NA
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents	NA	NA	NA
Changes to the programme design	NA	NA	NA
Addition of CPA inclusion template	NA	NA	NA

Changes specific to afforestation and reforestation activities	NA	NA	NA
Change of coordinating/managing entity	NA	NA	NA

## D.2. Generic component project activities

### D.2.1. Application and selection of methodologies and standardized baselines

<b>Means of validation</b>	DR, I														
<b>Findings</b>	CL 01 was raised and successfully resolved. Please refer to Appendix 4 for further details.														
<b>Conclusion</b>	<p>At the time of registration of the PoA-DD, the CME applied the methodology – AMS-II.G, version 04, “Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass”. In the revised PoA-DD /02/, valid version of the of this methodology has been applied – AMS-II.G, version 11, “Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass” /B03/.</p> <p>The applicability of the methodology is assessed below:</p> <table border="1"> <thead> <tr> <th>S/N</th><th>Applicability conditions of AMS II.G, version 11</th><th>CME justification</th><th>DOE assessment</th></tr> </thead> <tbody> <tr> <td>1</td><td>The methodology is applicable to the introduction of single pot or multi pot portable or in-situ cookstoves with rated efficiency of at least 20 per cent.</td><td>Cookstoves distributed under the PoA shall have minimum efficiency of 20% as determined in accordance with ‘Data/parameter Table 12’ of the applied methodology. This eligibility criterion is included in point no 11 under section K below.</td><td>The defined minimum 20% efficiency of improved cookstove is same as defined in the earlier version of applied methodology AMS.II.G, version 04. Thus, there is no change in minimum efficiency requirement for ICS in the latest version of the applied methodology AMS.II.G (version 11) /B03/. The justification provided CME is acceptable and validation team confirms that project complies with the same.</td></tr> <tr> <td>2</td><td>The aggregate energy savings of a single project activity shall not exceed the equivalent of 60 GWh per year or 180 GWh thermal per year in fuel input.</td><td>For CPAs consists solely of microscale CDM units as defined under paragraph 12 of Tool 19, each ICS under the PoA shall not exceed the microscale threshold<sup>1</sup> for energy saving per year.  For CPAs not qualifying</td><td>In the generic CPA of the revised PoA-DD, it has been confirmed that the CPAs of the PoA will either meet the micro scale threshold at the unit level rather than at the aggregate level</td></tr> </tbody> </table>			S/N	Applicability conditions of AMS II.G, version 11	CME justification	DOE assessment	1	The methodology is applicable to the introduction of single pot or multi pot portable or in-situ cookstoves with rated efficiency of at least 20 per cent.	Cookstoves distributed under the PoA shall have minimum efficiency of 20% as determined in accordance with ‘Data/parameter Table 12’ of the applied methodology. This eligibility criterion is included in point no 11 under section K below.	The defined minimum 20% efficiency of improved cookstove is same as defined in the earlier version of applied methodology AMS.II.G, version 04. Thus, there is no change in minimum efficiency requirement for ICS in the latest version of the applied methodology AMS.II.G (version 11) /B03/. The justification provided CME is acceptable and validation team confirms that project complies with the same.	2	The aggregate energy savings of a single project activity shall not exceed the equivalent of 60 GWh per year or 180 GWh thermal per year in fuel input.	For CPAs consists solely of microscale CDM units as defined under paragraph 12 of Tool 19, each ICS under the PoA shall not exceed the microscale threshold <sup>1</sup> for energy saving per year.  For CPAs not qualifying	In the generic CPA of the revised PoA-DD, it has been confirmed that the CPAs of the PoA will either meet the micro scale threshold at the unit level rather than at the aggregate level
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<sup>1</sup> 60 GWh<sub>th</sub>/year for a single ICS

			<p>as consisting of microscale CDM units defined under paragraph 12 of Tool 19, the aggregate energy savings shall not exceed the limit of 180 GWh<sub>th</sub>/yr.</p> <p>This is also included in point no 3 under eligibility criteria for inclusion of CPA, section K, below.</p>	<p>of CPA or else meet the threshold if small scale. The micro scale CPAs will satisfy paragraph 12 of Tool 19 and will consist of solely microscale CDM units. Paragraph 15 of the Tool 19 /B08/ states: <i>"If each of the units contained in the CPA satisfies the condition to qualify as a 'microscale CDM unit', then the coordinating/managing entity is not required to demonstrate compliance of the CPA with the microscale or small-scale thresholds at the aggregate level of the CPA"</i>.</p> <p>For the CPAs which do not qualify under micro scale, the small scale threshold of energy savings of 180 GWh<sub>th</sub>/year will be applicable.</p> <p>The justification provided by the CME is acceptable and validation team confirms the project complies with this applicability criteria.</p>
	3	Non-renewable biomass has been used in the project region since 31 December 1989, using survey methods or referring to published literature, official reports or statistics.	<p>As demonstrated in Appendix 3 below, non-renewal biomass has been used in the project region since 31<sup>st</sup> December 1989.</p>	<p>The defined non renewable biomass usage in the project region since since 31<sup>st</sup> December 1989 is same as defined in the earlier AMS.II.G, version 04. Thus, there is no further assessment done for the criterion. The justification provided CME is acceptable and validation team confirms project complies with the</p>

				same.
	4	For cases where the biomass is sourced from renewable sources, the project participants should use a corresponding Type I methodology.	This criterion is not applicable.	This criterion is not applicable for the project.
	5	If the project device requires a specific fuel for this device (e.g. briquettes, pellets, woodchips), the consumption of the fuel should be monitored during the crediting period.	This criterion is not applicable.	This criterion is not applicable for the project.
	6	The CDM-PoA-DD/CPA-DD shall explain the proposed method for distribution of project devices including the method to avoid double counting of emission reductions such as unique identifications of product and end-user locations (e.g. programme logo).	Each ICS under the PoA shall be identified through an alpha numeric nomenclature to be fixed to the ICS or in form of registration card to be given to the beneficiary. Specific CPA DDs to include explanation on proposed method of distribution of project devices including method to avoid double counting. This has also been discussed under points 6 & 16 of section K below.	Validation team has checked the revised PoA-DD and found that CME has defined eligibility criteria number 6 and 16 for double counting check to ensure compliance with this requirement of the applied methodology, AMS.II.G, version 11 /B03/. Further, CME has mentioned that sample of database shall be made available to the DOE at time of inclusion including the explanation on proposed method of distribution of ICS. The justification provided CME is acceptable and validation team confirms the project complies with this applicability criteria.
	7	The CDM-PoA-DD/CPA-DD shall also explain how the proposed procedures prevent double counting of emission reductions, for example to avoid that project stove manufacturers, wholesale providers or others claim credit for emission reductions from the project devices.	The stove manufacturers, wholesale providers, end users shall sign an undertaking stating clearly that the CME or an entity authorized by it shall be the sole owner of the CERs arising from the project. This is further discussed under point 14 of Section K below.	Validation team has checked the revised PoA-DD /02/ and found that CME has defined eligibility criteria number 14 regarding CER Ownership rights to ensure compliance with this requirement of the applied



				methodology, AMS.II.G, version 11 /B03/. The justification provided CME is acceptable and validation team confirms the project complies with this applicability criteria.
	<p>The PoA/Generic CPA part of the PoA-DD, fulfills all relevant criteria of the applied methodology AMS-II.G, version 11 /B03/. CME has used the valid version of the applied methodology. However, the applicability criteria will again be demonstrated at the CPA level where the actual project implementation or the distribution of improved cook stoves takes place. Hence the selected version of the applied methodology is appropriate for this PoA/Generic CPA part of the PoA-DD. Hence, the same is in compliance with §385 of VVS for PoAs, version 02 /B01-1/.</p>			

### D.2.2. Validity of original baseline or its update

<b>Means of validation</b>	DR, I																
<b>Findings</b>	-																
<b>Conclusion</b>	<p>In accordance to § 382 of CDM VVS for PoAs, version 02.0 /B01-1/, the validation team reviewed the revised PoA-DD /02/ to assess the impact of new national and/or sectoral policies and circumstances existing at the time of requesting renewal of PoA period on the modalities to estimate baseline GHG emissions for the subsequent crediting period of each corresponding CPA, without reassessing the baseline scenario.</p> <p>The validation team assessed whether data and parameters used for determining the original baseline, that were determined ex-ante and not monitored during the PoA period and are still valid, and also whether the CME updated such data and parameters in accordance with the “Methodological tool 11: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period” version 03.0.1 /B09/.</p> <p>CME has applied and following the steps provided in the above stated Tool 11, for demonstration of validity of original baseline. CME has defined the data source for the emission factor, values in line with applied methodology /B03/.</p> <p>During the 1<sup>st</sup> PoA period, PoA was registered applying small scale methodology, AMS.II.G. version 04.0. During 2<sup>nd</sup> renewal period, PoA has applied valid latest version i.e. 11.0 of the same methodology AMS-II.G /B03/.</p> <p>Validation team confirms that data and parameters that were only determined at the start of the crediting period and not monitored during the crediting period are still valid except the ex-ante parameter which are updated in accordance with applied methodology i.e. AMS.II.G, version 11.0.</p> <table border="1"> <thead> <tr> <th>Ex-ante Parameter</th><th>During 2<sup>nd</sup> PoA Period</th></tr> </thead> <tbody> <tr> <td>B<sub>old,i,j</sub> (tonnes/stove/year)</td><td>The value shall be determined at the time of CPA inclusion in line with the applied methodology /B03/</td></tr> <tr> <td>f<sub>NRB</sub> (fraction)</td><td>The value shall be determined at the time of CPA inclusion in line with the applied methodology /B03/</td></tr> <tr> <td>NCV<sub>biomass</sub> (TJ/tonne)</td><td>0.0156</td></tr> <tr> <td>EF<sub>projected_fossilfuel</sub> (tCO<sub>2</sub>/TJ)</td><td>73.2</td></tr> <tr> <td>L</td><td>0.95</td></tr> <tr> <td>SMG (t CH<sub>4</sub>/t charcoal)</td><td>0.030</td></tr> <tr> <td>GWP<sub>CH<sub>4</sub></sub> (t CO<sub>2</sub>/t CH<sub>4</sub>)</td><td>25</td></tr> </tbody> </table> <p>Values for “NCV<sub>biomass</sub>”, “EF<sub>projected_fossilfuel</sub>”, “L”, “SMG” and “GWP<sub>CH<sub>4</sub></sub>” have been adopted from the latest version of the applied methodology, i.e. AMS-II.G, version</p>	Ex-ante Parameter	During 2 <sup>nd</sup> PoA Period	B <sub>old,i,j</sub> (tonnes/stove/year)	The value shall be determined at the time of CPA inclusion in line with the applied methodology /B03/	f <sub>NRB</sub> (fraction)	The value shall be determined at the time of CPA inclusion in line with the applied methodology /B03/	NCV <sub>biomass</sub> (TJ/tonne)	0.0156	EF <sub>projected_fossilfuel</sub> (tCO <sub>2</sub> /TJ)	73.2	L	0.95	SMG (t CH <sub>4</sub> /t charcoal)	0.030	GWP <sub>CH<sub>4</sub></sub> (t CO <sub>2</sub> /t CH <sub>4</sub> )	25
Ex-ante Parameter	During 2 <sup>nd</sup> PoA Period																
B <sub>old,i,j</sub> (tonnes/stove/year)	The value shall be determined at the time of CPA inclusion in line with the applied methodology /B03/																
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	<p>11 /B03/ and hence deemed acceptable.</p> <p>The validation team confirms the validity of the baseline has been correctly assessed and the parameters are updated as per the Methodological Tool “Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period” Version 03.0.1 in the PoA-DD submitted for the renewal of PoA period.</p> <p>The validation team took cognizance of §287 of PS for PoAs, version 02 /B01-2/ and §382 of VVS for PoAs (version 02.0) /B01-1/.</p>
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### D.2.3. Estimated emission reductions or net anthropogenic removals

<b>Means of validation</b>	DR, I
<b>Findings</b>	-
<b>Conclusion</b>	<p>Validation team has checked the modalities for the calculation of the GHG emission reductions in the generic CPA part of the revised PoA-DD /02/ in accordance with the applied version of the methodology, i.e. AMS-II.G, version 11.0 /B03/. The parameters and equations presented in the PoA-DD /02/ have been compared with the information and requirements presented in the methodology /B03/ and other applicable methodological tools.</p> <p>The validation team confirms that:</p> <ul style="list-style-type: none"> <li>• All assumptions and data used by the CME are listed in the generic CPA part of the PoA-DD /02/, including their references and sources;</li> <li>• All documentation used by CME as the basis for assumptions and source of data are correctly quoted and interpreted in the PoA-DD /02/;</li> <li>• All values used in the PoA-DD /02/ are considered reasonable in the context of the proposed PoA;</li> <li>• The baseline methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions;</li> <li>• All estimates of the baseline emissions can be replicated using the data and parameter values provided in the PoA-DD /02/.</li> </ul> <p>The validation team took cognizance §390 (a) (iv) of VVS for PoAs, version 02.0 /B01-1/.</p>

### D.2.4. Validity of monitoring plan

Means of validation	DR, I			
Findings	-			
Conclusion	The monitoring plan in the generic CPA part of the revised PoA-DD /02/, is in compliance with the applied methodology AMS- II.G., version 11 /B03/. The project was originally registered applying small scale methodology AMS-II.G, version 04. For the 2 <sup>nd</sup> PoA period, valid version i.e. version 11 of the same methodology AMS-II.G has been applied and the monitoring plan of the same has been adopted. CME has adopted the following monitoring parameters in the revised PoA-DD as per the methodology, AMS-II.G, version 11:			
	Param eter	Data unit	Description	Monitoring Frequency
	Z	Number	Total number of stoves sold and registered in the Project Database Records	Continuous
	N <sub>y,i, j</sub>	Number	Number of project devices of type i and batch j operating in a year	Annually/biennially
	μ <sub>y</sub>	Fraction	Adjustment to account for any continued use of pre-project devices during the year y for CPAs using B <sub>old,i,j</sub> for calculation of B <sub>y,savings</sub>	Annually/biennially
	η <sub>new,i,j</sub>	Fraction	Efficiency of the device type i and	1.Recorded at the

		batch j being deployed as part of the project activity	time of stove installation/distribution 2. In the subsequent years after stove installation, the efficiency of project stoves to be estimated annually in accordance with options (b), (c) or (d) under paragraph 37 of the applied methodology. Choice of option to be mentioned in the CPA DD
$B_{y=1,new,i,j,survey}$	Tonnes	Quantity of woody biomass used by project devices in tonnes per device of type <i>i</i> .	Once within first year of project installation
$N_{d,HH}$	Number	Number of project devices distributed per household	Once at the time of CPA implementation
$\eta_{old}$	Fraction	Efficiency of pre-project device	Once at the time of CPA implementation
$Q_{CC}$	tonnes	Quantity of charcoal used in project device in year <i>y</i>	Annual/biennial
Life Span	Years	The operating life- time of the project device.	Recorded once at the time of CPA implementation
Date of commissioning of batch j	Date	Stoves can be grouped in batches and latest date of commissioning of a device within the batch shall be used as the date of commissioning for the entire batch.	Recorded at the time of commissioning of last stove in a batch
Date of commissioning of project device i	Date	Date of commissioning of individual stove	Recorded at the time of installation or distribution or completion of registration process of an individual stove.
<p>Validation team can confirm that the parameters to be determined ex-post have been presented correctly and according to requirements of the applied methodology AMS-II.G version 11.0 /B03/ and that CME shall be able to monitor and report emission reductions ex-post.</p> <p>Validation team has also checked the sampling plan and found in compliance with the applied methodology /B03/, Standard for sampling and surveys for CDM project activities and programme of activities, version 08.0 /B06/ and Guidelines for sampling and survey for CDM project activities and programme of activities Version 04.0 /B07/.</p>			

#### D.2.5. Eligibility criteria for inclusion of CPAs

Means of validation	DR, I								
Findings	-								
Conclusion	<table> <tr> <th>N o.</th><th>Eligibility criterion – Category</th><th>Eligibility criterion – Required condition</th><th>Supporting evidence for inclusion</th><th>DOE assessment</th></tr> </table>				N o.	Eligibility criterion – Category	Eligibility criterion – Required condition	Supporting evidence for inclusion	DOE assessment
N o.	Eligibility criterion – Category	Eligibility criterion – Required condition	Supporting evidence for inclusion	DOE assessment					

	1	Conditions to check the target group of ICS.	Promote and install / distribute ICS in/to residential households in rural, urban, and peri-urban areas <sup>2</sup> that use wood or charcoal fuel following the SSC-PoA specifications <sup>3</sup> .	Indication of ICS model to be distributed/installed, geographic scope of distribution/installation, and thermal efficiency tests to confirm model is a high biomass fired cook stove.	Validation team confirms that this eligibility criterion shall ensure that all CPAs shall specify the target group for all eligible CPAs in order to confirm to the applied methodology, as well as the PoA stated policy, operational and management framework inline with the requirements of §124 (k) of the PS for PoAs, v2. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard.  Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	2	Geographical boundaries of CPAs consistent with the geographical boundary of the	Be implemented entirely within a single fuel-specific geographical boundary (as	Self declaration by CPA Implementer indicating single fuel-specific geographical	According to §124 (a), of the PS for PoAs, v2, the geographical boundary of each CPA, shall be consistent with the

<sup>2</sup> For the purposes of this PoA, peri-urban areas fall within the definitions of urban areas in each of the countries and are therefore considered like urban areas.

<sup>3</sup> The CME will not certify or test any specific organization (CPA implementer), but it reserves the right, at its sole discretion, to chose CPA implementers based on its track-record and ability to successfully distribute and monitor ICSs. As per eligibility criterion #11, it will require the stove/s used in a particular CPA meets minimum efficiency criteria. The proof of this can be a Water Boiling Test result for the stove model/s identified in the CPA.

		PoA.	specified in Part I Section A.2 of the PoA-DD) according to the targeted fuel type, fuel-consumption cluster <sup>4</sup> (if applicable), and host country region <sup>5</sup> of the CPA <sup>6</sup> ;	boundary of the CPA. The possible geographic boundaries should be within the limits outlined in Part I Section A.2 of this document.	geographical boundary set in the PoA. The PoA boundary is set as Senegal, Ghana, Nigeria, Malawi, Zambia and Zimbabwe. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	3	Additionality check and Conditions to ensure that each ICS under CPAs that will be included meets the criteria of microscale at unit level or the aggregate CPA	Each CPA qualifying under paragraph 12 of Tool 19, version 09.0, in addition to being eligible under paragraph 12 (a)-implemented	The following need to be submitted by CME/CPA implementer  (i) ER spreadsheet demonstrating that a single ICS achieves an energy	CME has adopted microscale threshold at unit level in the relevant sections of the revised PoA-DD in accordance with the Tool 19. In case the CPA does not qualify for micro scale, figure 2 of the tool 19 will be followed to

<sup>4</sup> A fuel-consumption cluster is a population that has different fuel consumption patterns than other populations as defined by the fuel-consumption baseline studies attached to the PoA-DD. Each fuel consumption cluster is considered a homogeneous population.

<sup>5</sup> Country regions are defined in the fuel-consumption baseline studies attached to the PoA-DD and may include an entire country.

<sup>6</sup> For avoidance of doubt, each CPA will be restrained to a specific geographically-defined fuel-consumption cluster. For example, data demonstrated three distinct fuel-consumption clusters in Ghana (Greater Accra Area, Urban Southern and Central Regions and Rural Southern and Central Regions). If stoves are distributed in the three, the Greater Accra Area and in urban and rural Southern and Central Regions, the stoves distributed in the Greater Accra Area will belong to different CPAs than stoves distributed in urban Southern and Central Regions than the stoves distributed in rural Southern and Central Regions, even if the stove model distributed and the CPA Implementer are the same.

		size conforms to small scale threshold and remains within those thresholds throughout the crediting period of the CPAs in which case conditions for debundling check to be demonstrated.	in LDC/SUZ of host country or 12 (b)-penetration of project technology is less than or equal to 5% of technologies in the region, will satisfy the criteria for demonstrating additionality by establishing that it comprises of distributed units with an energy saving limit of less than equal to 60 GWhth/yr and end users are households /communities.  Each CPA not qualifying under paragraph 12 (a) or (b) of Tool 19; version 09.0, will satisfy the criteria for demonstrating additionality in accordance with figure 2 of Tool 19. Also, debundling check for such CPAs shall be demonstrated in accordance with Paragraph 124 (n) of CDM PoA PS, version 02.	saving of no more than 60 GWhth/yr for CPAs comprising of microscale CDM units or aggregate energy saving of CPA within small scale threshold of 180 GWhth/yr with energy saving of individual unit no more than 1.8GWhth/yr <sup>7</sup> for CPAs not comprising of microscale CDM units..  (ii) Statement in Specific CPA indicating that Improved cook stoves under the PoA will be distributed for household /community use only. For demonstrating that the CPA is implemented in rural area defined as SUZ, the CME/CPA implementer shall use publicly available/official data/survey.  (iii) Self-declaration by CME/CPA implementer for CPAs implemented in LDCs.	demonstrate additionality which leads to small scale additionality tool (tool 21) or tool 1. Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements of §124 (g), 124 (m), 124 (n) of the PS for PoAs, v2. in the case in which CPA consists solely of units that qualify as “microscale CDM units” debundling check is exempted.  Validation team based on review of PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	4	Conditions related to the database requirements of ICS user.	Have a database that will uniquely identify and define households in which ICS	Outline of the status of the database, a database (empty of stoves if no stoves have	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs in line with §124 (b) of the PS for PoAs, v2.

<sup>7</sup> 1% of small-scale threshold (0.6 GWh annual energy saving)

			have been installed or distributed <sup>8</sup> . In addition, each stove itself will be uniquely identified with a serial number clearly starting with "CQC-SSA"	been added to the CPA), and description of CPA database.	Validation team based on review PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion–category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	5	Conditions to ensure compliance with the applicability of the applied methodologies.	Comply with the applicability conditions set out in the methodology AMS II.G version 11 "Energy efficiency measures in thermal applications of non-renewable biomass" and further described in Part II Section I.2 of the PoA-DD; These include: (1) the project involves the distribution of energy efficient	-1&2)Thermal efficiency tests of stove to be installed/distributed; -3)Statement that documentation has been provided to the DOE demonstrating that non-renewable biomass has been used since 31 December 1989 within the CPA boundaries; -4)CME/CPA Implementer self-	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements §124 (f) and §124 (h) of the PS for PoAs, v2. All CPAs utilizing this generic CPA-DD shall apply and should comply with the small-scale methodology AMS-II.G, version 11.0. Validation team based on review of PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including

<sup>8</sup> Part II Section A.1 of the POA-DD clarifies how the CME collects information and what information it collects from users when ICSs are distributed and how the information is stored in the database. This information and procedures are also described on the CME manual which shall be provided to the DOE at time of inclusion.

			cooking stoves; (2) these new stoves have an efficiency of no less than 20%; (3) non-renewable biomass has been used as a fuel since 1989(4) proposed method of distribution (5) define steps to ensure that double counting does not occur.	declaration on proposed method of distribution -To be demonstrated in compliance with requirements stated in sections 6 & 7 below.	the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	6	Conditions to avoid double counting of GHG emission reductions or net anthropogenic GHG removals, such as unique identifications of product and end-user locations.	Do not involve households already using an ICS - including households involved in any other CPA or CDM or other voluntary scheme (such as Gold Standard, VCS, VER+ <sup>9</sup> ) project involving the distribution or installation of ICS, and households which have purchased or received an ICS on a commercial or non-commercial basis (eg. NGO distributed or government distributed stoves) <sup>10</sup> ;	- Outline of how each ICS will be uniquely identified - Statement of how CPA will be cross-checked to confirm no double counting with other CPAs, PoAs or projects (in the CDM or other carbon credit schemes) Statement of how households will confirm that they currently do not own an ICS (whether part of a carbon scheme or not).	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs in line with §124 (b) of the PS for PoAs, v2. Validation team based on review PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion—category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.

<sup>9</sup> VCS is the 'Verified Carbon Standard', and VER+ is the voluntary standard developed by TÜV SÜD.

<sup>10</sup> At time of inclusion the DOE shall confirm that the CPA is using the methods of data collection described in Part II Section A.1 of the POA-DD and in the CME manual, to confirm this eligibility criterion.



	7	Conditions to confirm that CPAs are neither registered as CDM project activities, included in another registered PoAs, nor the project activities that have been deregistered.	Not be registered as individual CDM project activities nor included in another registered SSC-PoA, as well as in any other voluntary scheme (such as Gold Standard, VCS, VER+);	- Statement in Specific CPA indicating that at the time of CPA inclusion, no other CPA using the same name was found in any other PoA or in a CDM project activity operating in the country using the UNFCCC, the Gold Standard, and other relevant voluntary schemes.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs in line with §124 (c) of the PS for PoAs, v2. All CPAs shall avoid double-registration of CPA (and double counting) by declaration by the CME after checking the UNFCCC homepage. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	8	Conditions to confirm the approval of CPA by the CME for inclusion of CPA into the PoA.	Be approved by the CME prior to its incorporation into the SSC-PoA;	Declaration from CME that CPA received approval for incorporation into PoA.	Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with §124 (i) of the PS for PoAs, v02. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the

					supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA..
	9	Conditions to check the start dates of CPAs through documentary evidence.	Be able to provide documentary evidence of the start date <sup>11</sup> ;	Self-declaration from CME or CPA Implementer stating the starting date of the CPA according to the relevant CDM guidance.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements §124 (e) of the PS for PoAs, v2. The start date of a CPA shall be on or after the PoA start date. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA. Please also refer to the closure of CAR-02.
	10	Conditions to provide an	Affirm that no funding is	Self-declaration from CME or	Validation team confirms that this

<sup>11</sup> The starting date of a CPA could either be the date of first installation of a stove or the date of distribution/installation of the first ICS in each CPA, as evidenced by the Registration Card, SMS or ICT records.

		affirmation that funding from Annex I Parties, if any, does not result in a diversion of official development assistance.	coming from Annex I parties or if it does, that this is not a diversion of Official Development Assistance (ODA) <sup>12</sup> ;	CPA Implementer	eligibility criterion has been sufficiently set for all CPAs as per §35 and §124 (j) in the PS for PoAs, v02. Validation team based on review of the PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	11	Specification of the technology/measure and performance specification based on testing/certification.	Ensure that the ICS installed/distributed under the CPA are single pot or multi pot portable or in-situ cook stoves with specified efficiency of at least 20%. The efficiency of the project systems (ICS) are certified by a national standards body or an appropriate certifying agency recognized by	The model of stove implemented under the CPA shall demonstrate its efficiency according to the Water Boiling Test – as per AMS II.G. v11 or by manufacturer's specification.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements and applicability conditions prescribed by the methodology, as well as §124 (d) including foot note 23 and 24 and 124 (f) of the PS for PoAs, v2. All CPAs shall apply the methodology AMS-II.G., version 11.0. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard.

<sup>12</sup> At time of inclusion, the CME shall provide the DOE a signed self declaration letter confirm the use or not use of public funding and in case of use of public funding, confirmation this is not a diversion of ODA.

			it (using the WBT outlined in AMS IIG, Version 11 approved by the CDM Executive Board). Alternatively manufacturers' specifications may be used;		Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA. Please also refer to the closure of CAR-09.
	12	Conditions to ensure the compliance with $B_{old}$ requirements of the applied methodologies.	Use baseline fuel consumption ( $B_{old}$ ) data from the household fuel survey for the country region and fuel-type which is specifically eligible under this POA; Alternatively, historical data which is publicly available can be used for determining $B_{old}$ value for CPAs applying Equation 7 for determining $B_{y, savings, i, a}$ .	Statement on the option to determine $B_{survey}$ (equation 7 or 8) shall be included in CPA DD. For CPAs applying equation 7, the choice of survey method or historical data for determining $B_{old}$ value, shall be stated clearly in the CPA DD.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements §124 (f) and §124 (h) of the PS for PoAs, v2. The value of $B_{old}$ will be determined at the time of CPA inclusion in line with the applied small-scale methodology AMS-II.G, version 11.0. Validation team based on review of PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently

					objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	13	Conditions to ensure the compliance with $f_{NRB}$ requirements of the applied methodologies.	$f_{NRB}$ values to be determined for individual CPAs in line with paragraph 49 of the methodology.	The $f_{NRB}$ value for specific CPA shall be declared at the time of CPA inclusion in line with requirements of paragraph 49 of applied methodology.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements §124 (f) and §124 (h) of the PS for PoAs, v2. The value of $f_{NRB}$ will be determined at the time of CPA inclusion in line with the applied small-scale methodology AMS-II.G, version 11.0. Validation team based on review of PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	14	Conditions to check the mechanism that transfers the ownership rights of CERs from the ICS user to the CME.	Include a mechanism that transfers the ownership rights of CERs from the ICS user to the CME (or any	Indication of how the mechanism that transfer the ownership rights of CERs will be implemented.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs inline with the requirements §124 (h) of the PS for PoAs, v2. All CPA utilizing this generic CPA-DD

			affiliate it so designates), the precise mechanism to be established on a CPA basis. For example, a Registration Card, SMS, ICT or other means, which is signed or received by the end-user upon distribution or installation of the ICS, which shall state that the end-user transfers ownership of the carbon assets to the CME for the life of the stove <sup>13</sup> ;		shall apply and should comply with the small-scale methodology AMS-II.G, version 11.0. Validation team based on review of PoA-DD /02/ confirms that the eligibility criteria is defined in accordance with the project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	15	If the generic CPA applies sampling for the determination of parameter values for calculating GHG emission reductions or net anthropogenic GHG removals, conditions related to sampling requirements for the PoA in accordance with the “Standard: Sampling and surveys for CDM project	Adhere to all requirements related to sampling for a PoA in accordance with Part II section I.7.2 of the PoA-DD;	Indication that CPA follows the sampling requirements outlined in Part II Section I.7.2 of this document.	Validation team confirms that this eligibility criterion shall ensure that all CPAs in the PoA shall apply to the sampling plan of the PoA. This eligibility criterion is in accordance with AMS-II.G, version 11.0 and “Standard: Sampling and surveys for CDM project activities and programme of activities”, v08. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the

<sup>13</sup> Part II Section A.1 of the POA-DD and CME manual further describes the methods and mechanisms mentioned in this eligibility criterion.

		activities and programme of activities.			project standard. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	16	Conditions to check the distribution mechanisms of the ICS.	Involve the promotion and distribution of ICS through direct distribution/installation, delivery, community distribution events, direct or distribution through commercial/r etail outlets;	Description of ICS promotion and distribution methods under the CPA.	Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with §124 (i) of the PS for PoAs, v02. Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA..
	17	Conditions related to environmental impact analysis and Local stakeholders' consultation..	CPA shall indicate what type of environmental analysis is undertaken and provide evidence of	Environmental assessment or statement of why an environmental assessment is not needed in the context of	As per the PoA DD /02/, the Environmental Impact Assessment (EIA) are done at CPA level and the local Stakeholder Consultation (LSC) are on PoA level.

			compliance with national and local (eg. province level) regulations; Local Stakeholder's consultation has been conducted at PoA level.	the CPA. CPAs included in the PoA are not required to conduct LSC.	Validation team confirms that this eligibility criterion has been sufficiently set for all CPAs as per §124 (i) of the PS for PoAs, v2. Validation team based on review of PoA-DD /02/ confirms that the eligibility criterion is defined in accordance with the project standard.  Furthermore, the eligibility criterion – category, including the conditions provide sufficient information for the corresponding CPAs. The description in the PoA-DD including the supporting evidence for inclusion provides information to meet the requirement and is verifiable as well as sufficiently objective and comprehensive to permit the assessment of the inclusion of corresponding CPAs in the PoA.
	<p>The CME has outlined clear and unambiguous eligibility criteria for the inclusion of a CPA under the PoA in section K of the PoA-DD /02/. Validation team confirm that the eligibility criteria for inclusion of corresponding CPAs in the PoA are updated by the CME in accordance with the applicable validation requirements related to the renewal of programme of activities period in the VVS for PoAs, version 02 /B01-1/ and the applied methodology AMS-II.G, versin 11 /B03/.</p> <p>Validation team confirm that the eligibility criteria are sufficiently objective and comprehensive to permit the assessment of the inclusion of CPAs in the PoA. Furthermore, the validation team confirms that eligibility criteria for the inclusion of CPAs in the PoA have covered as per the requirements of §124 of PS for PoAs, version 02 /B01-1/.</p>				

## SECTION E. Internal quality control

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The final validation report passed a technical review and quality review before being submitted to the project participant and UNFCCC Executive Board. A technical reviewer qualified in accordance with CCIPL's qualification scheme for CDM validation and verification performed the technical review.



**SECTION F. Validation opinion**

&gt;&gt;

The CME, C-Quest Capital Malaysia Global Stoves Limited, has appointed the DOE, Carbon Check (India) Private Ltd., (CCIPL) to perform the validation of the Renewal of the PoA period for the PoA “Distribution of Improved Cook Stoves in Sub-Saharan Africa” /B02/.

The validation was performed in accordance with the UNFCCC criteria for the Clean Development Mechanism, latest version of Validation and Verification Standard and related Standards/Guidance and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The programme of activity will result in reductions of greenhouse gas (GHG) emissions that are real, measurable and give long-term benefits to the mitigation of climate change, as stated in the generic CPA-DD. In the opinion of the validation team, the programme of activity meets all relevant UNFCCC, CDM criteria and all relevant host country criteria.

The review of the PoA-DD /02/ and the subsequent follow-up interviews have provided validation team with sufficient evidence to determine the validity of the original baseline and/or its update through an assessment. The PoA-DD /02/ correctly applies the small scale methodology AMS-II.G, version 11 /B03/. The monitoring arrangements described in the monitoring plan are feasible within the PoA-DD, and it is validation team’s opinion that the CME/CPA Implementer are able to implement the monitoring plan.


During the course of validation one (01) CL and two (02) CARs were identified on initially submitted revised PoA-DD /01/. All the CARs and CLs have been resolved by the CME.

In summary, it is validation team’s opinion that the CDM programme of activity “Distribution of Improved Cook Stoves in Sub-Saharan Africa” (UNFCCC Reference number 9007) meets all relevant UNFCCC requirements for the renewal of the PoA period. Hence CCIPL requests the renewal of CDM programme of activities period.

## Appendix 1. Abbreviations

Abbreviations	Full Texts
BE	Baseline Emission
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Ltd.
CDM	Clean Development Mechanism
CDM EB	CDM Executive Board
CER	Certified Emission Reduction
CPA	Component Project Activity
CPA-DD	Component Project Activity Design Document
CL	Clarification Request
CME	Co-ordinating or Managing Entity
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
COP/MOP	Conference of Parties/ Meeting of Parties
DNA	Designated National Authority
DOE	Designated Operational Entity
DR	Document Review
EB	Executive Board
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse Gas
GWh	Giga Watt Hours
I	Interview
kW	Kilo Watt
kWh	Kilo Watt Hours
MoV	Means of Verification
MoC	Modalities of Communications
MW	Mega Watt
MWh	Mega Watt Hours
ODA	Official Development Assistance
OSV	On-Site Visit
PE	Project Emission
PoA	Programme of Activities
PoA-DD	Programme of Activities design document
PP	Project Participant
PS	Project Standard
t	Tonne
UNFCCC	United Nations Framework Convention on Climate Change
VT	Validation team
VVS	Validation and Verification Standard

## Appendix 2. Competence of team members and technical reviewers



**Carbon Check (India) Private Ltd.**

**Sanjay Agarwalla**


has been qualified as per CCIPL's internal qualification procedures, in accordance with requirements of Accreditation Standard (version 06.0):

For following functions:


Validator	<input checked="" type="checkbox"/>	Team Leader	<input checked="" type="checkbox"/>	Technical reviewer	<input checked="" type="checkbox"/>
Verifier	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>	Local Expert <sup>1</sup>	<input checked="" type="checkbox"/>

In the following Technical Areas:

TA 1.1	<input checked="" type="checkbox"/>	TA 3.1	<input checked="" type="checkbox"/>	TA 5.2	<input checked="" type="checkbox"/>	TA 9.2	<input checked="" type="checkbox"/>	TA 13.2	<input type="checkbox"/>
TA 1.2	<input checked="" type="checkbox"/>	TA 4.1	<input checked="" type="checkbox"/>	TA 8.1	<input type="checkbox"/>	TA 10.1	<input type="checkbox"/>	TA 14.1	<input type="checkbox"/>
TA 2.1	<input checked="" type="checkbox"/>	TA 5.1	<input checked="" type="checkbox"/>	TA 9.1	<input checked="" type="checkbox"/>	TA 13.1	<input checked="" type="checkbox"/>		



Mr. Vikash Kumar Singh  
Compliance Officer



Mr. Amit Anand  
CEO

Date of Approval

24/12/2019

Valid Till

24/12/2020

**Revision History of the Document**

26/12/2014	Initial Adoption
24/12/2015	Annual Revision
20/01/2016	Interim Revision for office address change
23/12/2017	Annual Revision
24/12/2018	Annual Revision
24/12/2019	Annual Revision

<sup>1</sup> India

**CARBON CHECK (INDIA) PRIVATE LIMITED**

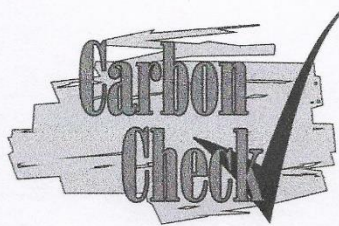
Registered in India: U74930DL2012PTC232495

Regd. Off: 2071/38, 2<sup>nd</sup> Floor, Naiwala, Karol Bagh, New Delhi - 110005

Corporate off: G 49 & 50, 3<sup>rd</sup> Floor, Sector - 3, NOIDA (Uttar Pradesh) - 201301

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e-mail: [info@carboncheck.co.in](mailto:info@carboncheck.co.in)



## Carbon Check (India) Private Ltd.

### Vikash Kumar Singh

has been qualified as per CCIPL's internal qualification procedures, in accordance with requirements of Accreditation Standard (version 07.0):

For following functions:

Validator	<input checked="" type="checkbox"/>	Team Leader	<input checked="" type="checkbox"/>	Technical reviewer	<input checked="" type="checkbox"/>
Verifier	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>	Local Expert <sup>1</sup>	<input checked="" type="checkbox"/>

In the following Technical Areas:

TA 1.1	<input checked="" type="checkbox"/>	TA 3.1	<input checked="" type="checkbox"/>	TA 5.2	<input type="checkbox"/>	TA 9.2	<input type="checkbox"/>	TA 13.2	<input checked="" type="checkbox"/>
TA 1.2	<input checked="" type="checkbox"/>	TA 4.1	<input checked="" type="checkbox"/>	TA 8.1	<input type="checkbox"/>	TA 10.1	<input type="checkbox"/>	TA 14.1	<input type="checkbox"/>
TA 2.1	<input type="checkbox"/>	TA 5.1	<input type="checkbox"/>	TA 9.1	<input type="checkbox"/>	TA 13.1	<input checked="" type="checkbox"/>		

Mr. Amit Anand  
CEO

Date of Approval  
24/12/2019

Valid Till  
23/12/2020

#### Revision History of the Document

26/12/2014	Initial Adoption
24/12/2015	Annual Revision
20/01/2016	Interim Revision for office address change
23/12/2016	Annual Revision
24/12/2017	Annual Revision
24/12/2018	Annual Revision
24/12/2019	Annual Revision

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## Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
/01/	CME	Initial revised PoA-DD	Version 19; Dated: 28/05/2020	CME
/02/	CME	Final revised PoA-DD	Version 21 ; Dated: 16/07/2020	CME
/03/	CME	Evidence for the example technical specification of the stoves stated in the PoA-DD	-	CME
/B01/	UNFCCC	1. CDM VVS for PoAs (Version 02.0). 2. CDM PS for PoAs (Version 02.0) 3. CDM PCP for PoAs (Version 02.0)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B02/	UNFCCC	Revised and approved PoA-DD, version 18, 04/06/2019 and the corresponding validation report for the PoA "Distribution of Improved Cook Stoves in Sub-Saharan Africa", having UNFCCC Ref. No. 9007	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B03/	UNFCCC	AMS-II.G. Energy efficiency measures in thermal applications of non-renewable biomass (version 11.0)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B04/	UNFCCC	Programme design document form for CDM programmes of activities (CDM-PoA-DD-FORM) (Version 09)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B05/	UNFCCC	Glossary of CDM Terms, version 10.0	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B06/	UNFCCC	Standard: Sampling and surveys for CDM project activities and programmes of activities (version 08.0)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B07/	UNFCCC	Guideline: Sampling and surveys for CDM project activities and programmes of activities (version 04.0)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B08/	UNFCCC	1. Methodological Tool 19 "Demonstration of additionality of microscale project activities" (version 09.0) 2. Methodological Tool 21 "Demonstration of additionality of smallscale project activities" (version 13.0)	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B09/	UNFCCC	Methodological Tool 11: "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period", version 03.0.1	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B10/	UNFCCC	Project page on UNFCCC website for the PoA 9007	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B11/	UNFCCC	Methodological Tool 30: "Calculation of the fraction of non-	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC

		renewable biomass”, version 02.0		
/B12/	UNFCCC	MoC statement uploaded on the project page of the PoA 9007 on UNFCCC web site	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC
/B12/	UNFCCC	UNFCCC website: <a href="https://cdm.unfccc.int/">https://cdm.unfccc.int/</a>	<a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>	UNFCCC

## Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation

CL ID	01	Section no.	D.2.1	Date: 29/05/2020
Description of CL				
In section A.3 of the PoA-DD, CME is requested to clarify deletion of the EcoZoom Dura model of stove as an example of stove stated in the approved revised PoA-DD.				
Furthermore, the CME shall provide information on how the proposed PoA complies with paragraph 124 (d) and footnote 23 of PS-PoA ver. 02 which require to define the specification of the technology, as well as the performance specifications of the proposed Technology based on, inter alia, testing/certification.				
CME's response				Date: 29/05/2020
The deletion has been reversed; Technical specification of stove technologies has been added to section A.3.				
Documentation provided by CME				
Revised PoA DD				
DOE assessment				Date: 30/05/2020
CME has clarified that the EcoZoom model of stove along with other stated models in the revised PoA-DD are just examples of stoves which may be distributed in the CPAs. Other models of stoves may also be distributed complying the methodology. Furthermore, CME has stated the detailed technical specifications of the stoves. The CL is closed.				

CL ID	02	Section no.	UNFCCC I & R query	Date: 07/07/2020
Description of CL				
<p>1: The PoA-DD (page 62, eligibility criteria 3) states that CME will check conditions to ensure that each ICS under CPAs meets the criteria of microscale CDM unit as defined by the Methodological tool: "Demonstration of additionality of microscale project activities"; version 09.0". However, the version 09.0 of the Tool (paragraph 12(a) and 12(b)(i) along with footnote 15) has provided conditions to be satisfied (i.e. energy efficiency units shall either be in an LDC/SIDS or SUZ of the host country; or the penetration (i.e. the market saturation) of the proposed technology shall be equal to or less than 5 per cent of the technologies/measures (providing similar services)) for the activity to be automatic additional. The CME/DOE shall provide information, for each country, on how the above conditions will be satisfied and demonstration of the penetration rate (if paragraph 12 (b)(i) is applicable) for inclusion of future CPAs. Please take into account that Ghana, Nigeria and Zimbabwe do not satisfy the condition under paragraph 12(a).</p>				
<p>2: The PoA framework aims to displace baseline wood or charcoal stoves with energy efficient wood or charcoal stoves. It is observed that some households may switch from baseline device using firewood to efficient project device using charcoal. The CME/DOE shall provide information to clarify exclusion of leakage effects due to charcoal production and consumption (please refer to AMS-II.G. ver. 11 paragraphs 40 and 41).</p>				
<p>3: The PoA-DD (page 2 and footnote 1) indicates that the PoA will replace the baseline wood and charcoal stoves with fuel-efficient cook stoves. However, the verification report (page 2) shows only replacement of wood stoves with fuel-efficient cook stoves. The DOE shall address this inconsistency.</p>				
CME's response				Date: 13/07/2020
<p>1. Section C of the PoA DD has been revised to comply with paragraph 12 (a) or (b) of Tool 19. Provision for CPAs which do not comply with above conditions has been added in the section.</p>				
<p>2. Provision for leakage to account for charcoal production in case of replacement of baseline firewood stove with efficient charcoal stove has been included in the relevant sections of the PoA DD.</p>				
<p>3. DOE to provide response</p>				
Documentation provided by CME				
Revised PoA-DD				
DOE assessment				Date: 15/07/2020



1. In the submitted revised PoA-DD, CME has complied with the application of microscale threshold in line with the requirements specified in paragraph 12 of Methodological tool: Demonstration of additionality of microscale project activities (version 09.0), including footnote 15 as applicable. In line with paragraph 12 (a) of the tool 19, to prove the micro scale threshold, the CPAs will either be LDC or in SUZ of the host country. SUZ has been defined in line with paragraph 10 (b) (iii) of tool 19. For the CPAs not complying paragraph 12 of this tool, provision for demonstrating additionality according to Figure 2 of Tool 19 has been added. Compliance of the above will be confirmed under eligibility criteria 3 at the time of CPA inclusion.
2. Provision for leakage to account for charcoal production in case of replacement of baseline firewood stove with charcoal ICS has been included in the revised PoA-DD in line with paragraph 41 of AMS II.G, version 11.
3. In the revised validation report being submitted, it is confirmed that the fuel-efficient cook stoves are replacing the non-efficient wood / charcoal stoves that were being used in the baseline scenario.

Table 2. CARs from this validation

<b>CAR ID</b>	01	<b>Section no.</b>	D.1.1	<b>Date:</b> 29/05/2020
<b>Description of CAR</b>				
<ol style="list-style-type: none"> <li>1. CME needs to confirm whether the information transferred in the revised PoA-DD submitted for RCP is materially same as the approved revised PoA-DD (Cp para 381 of VVS for PoAs, version 02).</li> <li>2. In section K of the PoA-DD, CME needs to confirm "Eligibility criterion – Category" for each of the eligibility criteria and also comply the requirements of paragraph 124 of CDM PS for PoAs, version 02.</li> <li>3. Appendix 7 of the PoA-DD completing guidelines says "<i>Provide a summary of the post-registration changes being proposed in this version of the PoA-DD, and where applicable, the history of all post-registration changes to the PoA that have been approved by the Board after its registration</i>". This has not been followed in the submitted PoA-DD.</li> </ol>				
<b>CME's response</b>				<b>Date:</b> 29/05/2020
<ol style="list-style-type: none"> <li>1. CME confirms that the information transferred is materially same as approved PoA DD.</li> <li>2. Section K of the PoA DD has been revised to comply with paragraph 124 of CDM PS for PoAs.</li> <li>3. Appendix 7 has been revised to include above mentioned changes.</li> </ol>				
<b>Documentation provided by CME</b>				
Revised PoA DD				
<b>DOE assessment</b>				<b>Date:</b> 30/05/2020
<ol style="list-style-type: none"> <li>1. It has been confirmed that the information in the revised PoA-DD is materially same as in the approved revised PoA-DD.</li> <li>2. All the applicable eligibility criteria for the PoA as per par 124 of the PS for PoAs have been provided in the PoA-DD.</li> <li>3. CME has provided the approval dates for all the PRCs in Appendix 7 of the revised PoA-DD.</li> </ol> <p>The CAR is closed.</p>				

<b>CAR ID</b>	02	<b>Section no.</b>	D.1.1	<b>Date:</b> 29/05/2020
<b>Description of CAR</b>				
<p>Para 284 (a) of CDM PS for PoAs, version 02 states "<i>The coordinating/managing entity shall use the valid version of the methodologies and methodological tools applied in the registered PoA-DD, that is, the latest version at the time of the submission of the request for renewal of PoA period</i>".</p> <p>In this regard, the validation team noted that the CME has not adopted the latest version of the methodological tool "Demonstration of additionality of microscale project activities" in the revised PoA-DD submitted for RCP.</p>				
<b>CME's response</b>				<b>Date:</b> 20/05/2020
<p>The latest version that is version 09 of the tool "Demonstration of additionality of microscale project activities" has been applied. As a result of change in version of the Tool, changes had to be made to Section C of PoA DD for demonstrating additionality to comply with requirements of version 09 of the tool. However, the resulting changes have not affected the Generic CPA DD as it still consists of microscale CDM units.</p>				
<b>Documentation provided by CME</b>				



Revised PoA DD	
<b>DOE assessment</b>	<b>Date:</b> 30/05/2020
In line with para 284 (a) of the PS for PoAs, CME has adopted the latest version of the methodological tool 19 and tool 21. Each CPA will satisfy the criteria for demonstrating additionality either complying para 12 of tool 19 or figure 2 of tool 19. This is deemed acceptable. The CAR is closed.	

Table 3. FARs from this validation

<b>FAR ID</b>	xx	<b>Section no.</b>		<b>Date:</b> DD/MM/YYYY
<b>Description of FAR</b>				
-				
<b>CME's response</b>				<b>Date:</b> DD/MM/YYYY
-				
<b>Documentation provided by CME</b>				
-				
<b>DOE assessment</b>				<b>Date:</b> DD/MM/YYYY
-				

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## Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	31 May 2019	Revision to: <ul style="list-style-type: none"> <li>Ensure consistency with version 02.0 of the "CDM validation and verification standard for programmes of activities" (CDM-EB93-A08-STAN) and version 02.0 of the "CDM project cycle procedure for programmes of activities" (CDM-EB93-A09-PROC);</li> <li>Make editorial improvements.</li> </ul>
01.0	29 December 2017	Initial publication.
Decision Class: Regulatory		
Document Type: Form		
Business Function: Renewal of crediting period		
Keywords: crediting period, programme of activities, validation report		