



**Draft Validation report form for inclusion of component
project activities
(Version 02.0)**

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

BASIC INFORMATION

Title and UNFCCC reference number of the programme of activities (PoA)	Impact Carbon Global Safe Water Programme of Activities (PoA) UNFCCC Ref. No.: 9948	
Version numbers of the PoA-DD to which this report applies	Version: 7.0; Dated: 18/04/2017	
Title and reference number of each CPAs to be included	CPA Ref. no.	Title
	9948 -0023	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23
	9948 -0024	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24
	9948 -0025	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25
	9948 -0026	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26
	9948 -0027	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27
Sectoral scopes for each CPA	CPA Ref. no.	Sectoral scopes
	9948 -0023	Sectoral Scope 3: Energy demand
	9948 -0024	
	9948 -0025	
	9948 -0026	
	9948 -0027	
Applied methodologies and standardized baselines for each CPA	CPA Ref. no.	Selected methodologies and standardized baselines
	9948 -0023	AMS-III.AV (Version 4.0): Low greenhouse gas emitting safe drinking water production systems
	9948 -0024	
	9948 -0025	
	9948 -0026	
	9948 -0027	
Version number of the validation report	01	
Completion date of the validation report	21/09/2018	
Coordinating/managing entity (CME)	Impact Carbon	
Host Party(ies)	Kenya	
Estimated amount of annual average greenhouse gas (GHG) emission reductions or GHG removals by sinks in the crediting period (tCO₂e), per CPA	CPA Ref. no.	tCO₂e
	9948 -0023	59,875
	9948 -0024	59,875

	9948 -0025	59,875
	9948 -0026	59,875
	9948 -0027	59,875
Name and UNFCCC reference number of the DOE	Carbon Check (India) Private Ltd. UNFCCC Ref.No.: E-0052	
Name, position and signature of the approver of the validation report	Vikash Kumar Singh, Compliance officer	

SECTION A. Executive summary

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Impact Carbon (hereafter referred as “CME”) has contracted Carbon Check (India) Private Ltd. (CCIPL) to perform the validation of the five CPAs titled, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23”, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24”, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25”, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26” and “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27” (hereafter called “the five CPAs”) for inclusion in the registered PoA titled “Impact Carbon Global Safe Water Programme of Activities (PoA)”. CCIPL was commissioned to assess the information in the CDM-CPA-DD-FORMs for the five CPAs against the requirements for including CPA to the registered PoA and further documentation requirements for including CPA to a PoA.

This report summarizes the findings of the validation of the small-scale Component Project Activity Design Document (CDM-CPA-DD-FORM), performed on the basis of UNFCCC criteria for the CDM, as well as criteria given to provide for consistent project operations, monitoring and reporting and eligibility criteria for inclusion of the CPAs as established in the PoA-DD /B03/. The term “UNFCCC criteria” refers to Article 12 of the Kyoto Protocol, the CDM modalities and procedures and the simplified modalities and procedures for small scale CDM project and the subsequent decisions by the COP/MOP and CDM Executive Board. In addition to these criteria, host country criteria are also taken into account.

The assessment of a CPA requesting to be included in a PoA shall ensure that all the requirements (as defined in the form of eligibility criteria) determined in the PoA are met. The assessment was performed on the basis of the eligibility and additionality criteria established in the PoA and the UNFCCC criteria for including CPA to a Programme of Activities (PoA) under the Clean Development Mechanism (CDM), as well as criteria given to provide for consistent project operations, monitoring and reporting according to AMS-III AV, Version 4.0 /B05/.

The main objective of the PoA and the CPA(s) is promotion, distribution / installation of water purification systems (WPS) in Kenya. The WPS may consist of Chemical disinfection (chlorination) / Water filters. The CPAs will result in reduction and replacement in the amount of non-renewable biomass (fuelwood) or fossil fuels traditionally used for boiling water and making it suitable for drinking purposes. Thus, the CPA would result in reducing the impact of usage of fuel wood and other fossil fuel based sources on global warming and climate change.

The validation scope is defined as an independent and objective review of the Component Project Activity Design Documents (CPA-DDs /01-(b)/). The CPA-DDs /01-(b)/ are reviewed against the relevant UNFCCC CDM criteria for validation and registration of PoA. The validation team has, based on the recommendations in the Validation and Verification Standard for Programmes of Activities (VVS for PoAs), version 01.0 /B01-1/, employed a rule-based approach, focusing on the identification of significant risks for project implementation and the generation of CERs.

The validation is not meant to provide any consulting towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the project design.

While carrying out the validation, CCIPL determines if the five CPAs comply with the requirements of UNFCCC, specifically the applicability conditions of the selected methodology and also assesses the claims and assumptions made in the CPA-DDs /01-(b)/ without limitation on the information provided by the project participants.

The report is based on the assessment of the CPA-DDs /01-(b)/ undertaken through consultations with CME, application of standard auditing techniques including but not limited to document reviews,

and CME interviews, review of the applicable/applied methodology and its underlying formulae and calculations.

This report contains the findings and resolutions from the validation and a validation opinion on the proposed five CPAs thus confirming the project design as document is sound and reasonable and meets the stated requirements and identified criteria.

This is further subject to review of all supporting documents and closure of raised CARs/CLs.

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			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader / Validator / Technical Expert	IR	Agarwalla	Sanjay Kumar	CC IPL	X	X	X	X
2.	Local Expert	EI	Muriuki	Job N	CC IPL		X	X	

B.2. Technical reviewer and approver of the validation report

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			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 CPA-DDs /01-(b)/ and the supporting documentation. This process included review of data and information presented to verify their completeness and review of the monitoring plan and monitoring methodology. Documents reviewed or referenced during the verification are listed in Appendix 3 below.

C.2. On-site inspection

Duration of on-site inspection: 13/09/2018				
No.	Activity performed on-site	Site location	Date	Team member
1.	Discussion on the baseline scenario and additionality including methodology applicability	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki
2.	Discussion on sustainability aspects of the project activity and its impacts on the related stakeholders and local stakeholders meeting	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki
3.	Discussion on the technology involved in the CPA	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki
4.	Discussion on eligibility criteria and inclusion of the CPA in the PoA	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki
5.	Discussion on record keeping, monitoring plan and manual, including sampling plan (if any)	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki
6.	Discussion on the specific CPA-DD	Nairobi, Kenya	13/09/2018	Sanjay Kumar Agarwalla Job N Muriuki

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Turgesen	Mark	Impact Water	13/09/2018	CME's roles and responsibilities, Sustainability development, Baseline scenario and additionality, Technology to be used in the CPAs; CPA implementation; WPS distribution procedure; Record keeping	Sanjay Kumar Agarwalla Job N Muriuki
2.	Nihar		Climate Secure Services	13/09/2018	Baseline scenario and additionality, methodology applicability, eligibility criteria for inclusion of CPAs in the PoA, Technology to be used in the CPAs; CPA implementation; WPS distribution procedure; Record keeping and monitoring plan and ER calculations	Sanjay Kumar Agarwalla Job N Muriuki

3.	Lohia	Rohit	Climate Secure Services	13/09/2018	Baseline scenario and additionality, methodology applicability, eligibility criteria for inclusion of CPAs in the PoA, Technology to be used in the CPAs; CPA implementation; WPS distribution procedure; Record keeping and monitoring plan and ER calculations	Sanjay Kumar Agarwalla
4.	Nyahoro	Catherine	WPS user	13/09/2018	Usage of the WPS (Ultraflo chlorination technology)	Sanjay Kumar Agarwalla Job N Muriuki
5.	Owino	Norha	WPS user	13/09/2018	Usage of the WPS (UltraTab chlorination technology)	Sanjay Kumar Agarwalla Job N Muriuki

C.4. Sampling approaches

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Not Applicable

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

Areas of validation of compliance (SECTION D)	No. of CL	No. of CAR	No. of FAR
Titles of the CPAs and corresponding generic CPAs	-	-	-
Compliance with CPA-DD form	-	-	-
General description of the CPAs	02	-	-
Application of methodologies and standardized baselines	-	-	-
• Reference to methodologies and standardized baselines	-	01	-
• Project boundary, sources and GHGs	01	-	-
• Baseline scenario	01	-	-
Estimation of emission reductions	-	-	-
• Equations and parameters applied to calculate GHG emission reductions or net anthropogenic GHG removals	-	-	-
• Data and parameters fixed ex ante	-	-	-
• Ex ante calculation of GHG emission reductions or net anthropogenic GHG removals	-	-	-
• Summary of ex ante estimates of GHG emission reductions or net anthropogenic GHG removals	01	-	-
Monitoring plan	-	-	-
• Data and parameters to be monitored	02	01	-
• Description of the monitoring plan	-	-	-
Start date, crediting period type and duration	01	-	-
Environmental impacts	-	-	-
Local stakeholder consultation	01	-	-
Eligibility for inclusion	03	-	-
Others	-	-	-
Total	12	02	-

SECTION D. Validation findings

D.1. Proposed CPAs and corresponding generic CPAs

Specific-case CPA title and reference number	Version number of the specific-case CPA-DD	Host Party	Generic CPA title, identification/reference number	Version number of the PoA-DD into which the CPA is included
<ul style="list-style-type: none"> Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23 (9948 - 0023) Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24 (9948 - 0024) Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25 (9948 - 0025) Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26 (9948 - 0026) Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27 (9948 - 0027) 	<ul style="list-style-type: none"> Version 1.0, dated 06/09/2018 Version 1.0, dated 06/09/2018 Version 1.0, dated 06/09/2018 Version 1.0, dated 06/09/2018 Version 1.0, dated 06/09/2018 	Kenya	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA XX CPA Type 2: Technologies for institutional water consumption, no project emissions	Version 7.0, dated 18/04/2017

D.2. Compliance with CPA-DD form

Means of validation	DR, I
Findings	-
Conclusion	<p>Through means of document review and interviews with CME, the validation team considers that the description of the CPAs in the five CPA-DDs (9948-0023, 9948-0024, 9948-0025, 9948-0026 and 9948-0027) as described in the CPA-DDs /01-(b)/ is accurate and complete; meets the requirements to be included in the PoA titled "Impact Carbon Global Safe Water Programme of Activities (PoA)" /B03/ and correctly apply the baseline and monitoring methodology AMS-III.AV, Version 4.0 /B05/ and requirements of CDM VVS for PoAs (version 01.0) /B01-1/.</p> <p>The validation team confirms that the requirements of the CDM-CPA-DD-FORM filling guidelines /B07/ and section 8.1 of CDM VVS for PoA (version 01.0) /B01-1/.</p>

have been appropriately met.

D.3. General description of the CPAs

Means of validation	DR, I
Findings	CL 01 and CL 02 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>The following description of the proposed component project activities as per CPA-DDs /01-(b)/ is verified:</p> <p>The CPAs titled “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23”, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24”; “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25”, “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26” and “Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27” are developed under the Small-Scale Programme of Activities (PoA) titled “Impact Carbon Global Safe Water Programme of Activities (PoA)” /B03/, which is coordinated and managed by Impact Carbon. The CPAs of the PoA involve the promotion and installation of Water purification systems in Kenya as per the CPA-DDs /01-b/. The water purification systems will consist of Chemical disinfection devices using chemical(s) to disinfect water, such as chlorination. An example of a specific brand that would be included, besides others, is Ultra Flo & Ultra Tab.</p> <p>The physical boundary of the five CPAs is geographical boundaries of Kenya. All the five CPAs are being implemented in a single host country, Kenya.</p> <p>The main objective of the PoA and the CPA(s) is promotion, distribution / installation of water purification systems (WPS) in institutions (like day care and boarding schools, prisons) in Kenya. The WPS may consist of Chemical disinfection / Water filters. The chemical disinfection devices will use chemical(s) to disinfect water, such as chlorination. An example of a specific brand that would be included, besides others, is Ultra Flo & Ultra Tab. The CPAs will result in reduction and replacement in the amount of non-renewable biomass (fuelwood) or fossil fuels traditionally used for boiling water and making it suitable for drinking purposes. Thus, the CPA would result in reducing the impact of usage of fuel wood and other fossil fuel based sources on global warming and climate change.</p> <p>The technology that will be included in the CPA will be suitable within the context of local water consumption practices and ensure that potable water is always available for institutional consumption. CPAs may include new technology(ies)/brand(s) in the future if it meets the technical requirements or performance criterion as mentioned in the eligibility criteria of the CPAs in the PoA-DD.</p> <p>The CPAs’ implementer is Impact Water, as confirmed by reviewing the CPA-DDs /01-(b)/, agreement in between the CME and the CPA implementer /13/ and interviews with the representative of the CME during the on-site visit. The CME shall be responsible to perform quality control activities for the proposed CPAs and the same has been checked and confirmed by reviewing the CPA-DDs /01-(b)/ and interviews with the representative of the CME.</p> <p>The CPA aims to support sustainable development in the host country of Kenya. This has been confirmed through review of the Letter of Approval /xx/ dated 11/04/2017 provided by CME. There are no mandatory policies or regulations mandating the adoption of water filtration systems in institutions in Kenya. In fact, no such policies exist in Kenya according to local knowledge and sectoral expertise. Moreover, through document review and interviews, the validation team further reveals there is no mandatory regulation on the development of water filtration technology in the host country. Furthermore, based on the review of the LoA /xx/ the validation team also confirms voluntary participation of CME. Therefore, the validation team considers the CPA is a voluntary action by the CPA Implementer.</p> <p>Start date for the five CPAs is 01/04/2018 as stated in the CPA-DDs /01-(b)/. CME has considered the start date as the date on which purchase order was placed by Impact Water on XXX for the first lot of chlorination units for the five CPAs /03/. The</p>

	<p>validation team confirms that the start date is after the start date of the PoA. This is in line with the approved revised PoA-DD /B03/ and requirements of §199 CDM VVS for PoAs, version 01 and hence deemed acceptable.</p> <p>The validation team based on the review of the CPA-DDs /01-b/ and declaration from the CME /08/ confirms that there is no double counting of emission reductions due to the implementation/inclusion of the CPAs, as the CPAs do not belong to or are included in any other PoA or stand-alone CDM project. The validation team has cross-checked this from the UNFCCC website and interviews with representatives of CME and confirms that there is no double counting. Further, the double-counting risk is prevented by the unique serial number being assigned to each of the WPS to be distributed under the CPAs /xx/. Furthermore, the validation team based on the review of CPA-DDs /01-(b)/ and CME manual /17/ confirms that in order to avoid double counting, the CME has adopted a provision of a record keeping system. The record keeping system for the proposed CPAs under the PoA includes detailed sales information collected from end-user through registration process /11/.</p> <p>Duration of the crediting period for all the five CPAs was confirmed to be renewable at 7 years and is as per requirements of § 200 of CDM VVS for PoAs (version 01.0) /B01-1/.</p> <p>The average annual emission reductions on account of the CPAs are estimated to be 59,785 tCO_{2e} for the duration of the renewable crediting period (i.e. 7 years). The validation team reviewed the CPA-DDs and the ER sheets /xx/ and confirms the same to be accurate. In addition, the steps used for ER calculations were found to be in conformance with the requirements of the methodology AMS-III.AV, version 04.0 /xx/.</p> <p>Each water purification unit in these CPAs is expected to generate an estimated emission reduction of 116 tCO_{2e}/year. In order to ensure this cap, one unit of any technology type shall not purify more than 2380,092 L/year of water. This is the maximum value for QPW_y, to ensure that ERs per unit do not exceed 600 tCO_{2e}equivalent/year (i.e., 1% of the threshold limit of 60,000 tCO₂/year for small scale project activity). For this CPA, where R_{y,i} is 2 L/person/day (for day schools) and 3.5L/person/day (for boarding schools and prisons), the maximum value for N_{y,i} is 2,508 persons /institution. The steps used for ER calculations were found to be in conformance with the requirements of the methodology AMS-III.AV, Version 4.0 /B05/.</p> <p>Based on the information furnished by the CME, no ODA contributes to the financing of the five CPAs /10/.</p> <p>The validation team has checked that the CPAs are not a de-bundled component of large scale project or PoA in line with the Guidelines on assessment of de-bundling for SSC project activities (version 03) /B08-5/ and the same has been described/demonstrated in the CPA-DDs /01-(b)/, checked and confirmed by the validation team.</p> <p>The description of the CPAs as provided in the CPA-DD /01-b/ is in accordance with the registered PoA-DD /B03/.</p> <p>The validation team confirms that the description of the proposed CPAs in the CPA-DDs is accurate, complete, and provides an understanding of the proposed CPAs.</p> <p>The validation team took cognizance of §184-190 of VVS for PoA (vesion 01.0) /B01-1/.</p> <p style="background-color: yellow;">This is further subject to review of all supporting documents and closure of raised CARs/CLs.</p>
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D.4. Application of methodologies and standardized baselines

D.4.1. Reference to methodologies and standardized baselines

Means of validation	DR, I
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Means of validation	DR, I
Findings	CAR 01 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>The validation team has reviewed the CPA-DDs /01-(b)/ along with relevant supporting documentation provided by CME in regards to the applicability of the methodology AMS III.AV, version 4.0. The compliance of the CPAs to the applicability conditions of the applied baseline and monitoring methodology /B02/ has been mentioned in the CPA-DDs /xx/. The validation team has reviewed the CPA-DDs /xx/ along with relevant supporting documentation provided by CME and the assessment (for the requirement to be checked during inclusion of CPAs in the PoA) is provided in Appendix 5.</p> <p>Hence the validation team confirms the applicability of the applied methodology AMS III.AV, version 4.0 for the CPAs.</p> <p>This is in conformance with the requirements of §192 of CDM VVS for PoA (version 01.0) /B01-1/.</p> <p>This is further subject to review of all supporting documents and closure of raised CARs/CLs.</p>

D.4.2. Project boundary, sources and GHGs

Means of validation	DR, I
Findings	CL 03 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>As per the applied methodology AMS-III.AV (version 4.0), “Low greenhouse gas emitting safe drinking water production systems” /xx/, the boundary of a typical CPA under this PoA confines to “<i>the physical, geographical sites of the low greenhouse gas emitting technologies for water purification installed by the project activity and the household/institutional buildings where the consumers of safe water provided by the systems are located</i>” (as per §9 of the applied methodology). The information has been also correctly given in section B.2 of the CPA-DDs /xx/.</p> <p>The physical delineation of the CPAs and the description of the emission sources and GHGs that are included in the CPAs boundary are appropriate for the purpose of calculating project and baseline emissions for the CPAs.</p> <p>A leakage factor of 0.95 has been considered to account for use/diversion of non-renewable woody biomass saved under the project activity by non-project households/users that previously used renewable energy sources. The value has been sourced from the default value provided in the applied methodology AMS-I.E. This is in conformance with the requirements of §13 of AMS-III.AV (version 04.0) /B05/.</p> <p>The methodology indicates CO₂ as the only GHG from baseline as well as project activity sources to be included in the boundary. The CPAs will not involve any project emissions due to consumption of fossil fuel based electricity by the project water purification systems. Validation team confirms that the justification provided by the CME is reasonable and evidenced. Besides, there are no other sources, which are impacted by the project and not addressed by the applied methodology.</p> <p>This is in conformance with § 16 of the applied methodology /B05/ and §193 of CDM VVS for PoAs (version 01.0) /B01-1/.</p> <p>This is further subject to review of all supporting documents and closure of raised CARs/CLs.</p>

D.4.3. Baseline scenario

Means of validation	DR, I
Findings	CL 04 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>For the CPAs, the baseline scenario has been identified in accordance with the § 10 of the methodology AMS III.V, Version 04 /B05/.</p> <p>As stated in the applied methodology AMS III.AV, version 4.0 /B05/ and the CPA-DDs</p>

	<p>/01-(b)/, the baseline scenario would be the use fossil fuels or non-renewable biomass for boiling of water and making it suitable for drinking purposes in the host country of Kenya.</p> <p>In order to verify the above description of baseline scenario, the validation team reviewed the documentary evidence¹ which indicates that the accepted practice of treating water is by boiling using non-renewable biomass or fossil fuels.</p> <p>Thus, the above baseline scenario is considered to be accurate and in conformance with the requirements of § 10 of the applied methodology /B05/ and §194 of CDM VVS for PoAs (version 01.0) /B01-1/.</p> <p>This is further subject to review of all supporting documents and closure of raised CARs/CLs.</p>
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D.5. Estimation of emission reductions

D.5.1. Equations and parameters applied to calculate GHG emission reductions or net anthropogenic GHG removals

Means of validation	DR, I
Findings	-
Conclusion	<p>The equations and choices provided in the applied methodology /B05/ are correctly quoted in the CPA-DDs /01-(b)/. The emission reductions of the CPAs of the PoA would be calculated using the formulae mentioned in the applied methodology AMS III.AV, version 04 /B05/.</p> <p>The parameters and equations presented in the PoA-DD /B03/, CPA-DDs /01-(b)/ and ER spread-sheets /02/ have been compared with the information and requirements presented in the methodology /B05/. Validation team based on the review of CPA-DDs /01-(b)/ and the ER spread sheets /02/ and other supporting documents, confirms that the formula are correctly presented for the determination of emission reductions at CPA level and the values of the input parameters used are accurate, appropriate and consistent.</p> <p>Thus, the equations and parameters applied to calculate the emission reductions are considered to be accurate and in conformance with the requirements of §196(a) of CDM VVS for PoAs (version 01.0) /B01-1/.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs.</p>

D.5.2. Data and parameters fixed ex ante

Means of validation	DR, I											
Findings	-											
Conclusion	<p>Ex-ante parameters provided under section B.4.2 of the CPA-DDs /01-(b)/ are found to be appropriate and in line with the applied methodology AMS III.AV, version 04) /B05/. ex-ante parameters of the proposed CPAs is as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #e0e0e0;">Data/Parameter</th> <th style="background-color: #e0e0e0;">Description</th> <th style="background-color: #e0e0e0;">Value</th> <th style="background-color: #e0e0e0;">DOE Assessment</th> </tr> </thead> <tbody> <tr> <td style="background-color: #e0e0e0;">Case 1 or Case 2</td> <td>Case 1 or Case 2: Project activities implemented in rural or urban areas of countries with proportion of rural or urban population using</td> <td>Case 1</td> <td style="background-color: #ffff00;">The value of this parameter is deemed appropriate considering that in the host country of Kenya less than 60% of the institutions have access to safe</td> </tr> </tbody> </table>				Data/Parameter	Description	Value	DOE Assessment	Case 1 or Case 2	Case 1 or Case 2: Project activities implemented in rural or urban areas of countries with proportion of rural or urban population using	Case 1	The value of this parameter is deemed appropriate considering that in the host country of Kenya less than 60% of the institutions have access to safe
Data/Parameter	Description	Value	DOE Assessment									
Case 1 or Case 2	Case 1 or Case 2: Project activities implemented in rural or urban areas of countries with proportion of rural or urban population using	Case 1	The value of this parameter is deemed appropriate considering that in the host country of Kenya less than 60% of the institutions have access to safe									

¹ <http://allafrica.com/stories/201606160209.html>

		an improved drinking-water source equal to or less than 60 % (Case1) or above 60% (Case2).		drinking water. This was validated based on xxxxxx. Refer to methodology applicability criteria assessment in Appendix-5 for more details.
	WH	Specific heat of water	4.186 KJ/L °C	This value is the default value of the applied methodology and is deemed to be acceptable to the validation team
	T _f	Final temperature	100 °C	This value is the default value of the applied methodology and is deemed to be acceptable to the validation team
	T _i	Initial temperature of water	20 °C	This value is the default value of the applied methodology and is deemed to be acceptable to the validation team
	WHE	Latent heat of water evaporation	2,260 KJ/L	This value is the default value of the applied methodology and is deemed to be acceptable to the validation team
	L	Leakage factor	0.95	This value is the default value of the methodology AMS-I.E (as allowed by the applied AMS-III.AV) and is deemed to be acceptable to the validation team
	R _{y,i}	Average volume of drinking water per person per day	3.5 litres/person/day (for boarding schools and prisons) and 2 litres/person/day (for day schools)	The values of this parameter have been sourced from the documents titled “Water, Sanitation, Hygiene and Habit in Prisons” (2005) ² and “Minimum water quantity needed for domestic uses” ³ . The validation team reviewed the aforementioned documents to

² https://www.icrc.org/eng/assets/files/other/icrc_002_0823.pdf

³ http://ec.europa.eu/echo/files/evaluation/watsan2005/annex_files/WHO/WHO5%20-%20Minimum%20water%20quantity%20needed%20for%20domestic%20use.pdf

			confirm the same and thus deems the values to be appropriate.
<p>Thus, the data and parameters fixed ex-ante are considered to be accurate and in conformance with the requirements of §196(b) of CDM VVS for PoAs, version 01.0 /B01-1/.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs.</p>			

D.5.3. Ex ante calculation of GHG emission reductions or net anthropogenic GHG removals

Means of validation	DR, I
Findings	-
Conclusion	<p>The equations and choices provided in the applied methodology /B05/ are correctly quoted in the CPA-DDs /01-(b)/. The emission reductions due to the CPAs have been calculated using the formulae mentioned in the applied methodology AMS III.AV, version 04 /B05/ and the registered PoA-DD /B03/. The total ex ante emission reductions resulting from each of the five CPAs for the entire first renewable crediting period of seven years is estimated to be 419,131 /02/ tCO₂e, leading to an annual average of 59,875 tCO₂e. The validation team reviewed the ER spread-sheets calculations /02/ and confirms the same to be correct.</p> <p>The validation team conducted assessment of emission reductions calculation. The parameters and equations presented in the CPA-DDs /01-(b)/, as well as other applicable documents, have been compared with the information stipulated in the methodology /B05/. The assumptions and data (both ex-ante and ex-post) used to determine the emission reductions are described in the CPA-DDs /01-(b)/ and all the sources have been checked and confirmed by validation team. Based on the reviewed information, it can be confirmed that the sources used are correctly quoted and interpreted in the CPA-DDs /01-(b)/. The values in the CPA-DDs /01-(b)/ are considered to be reasonable based on the documentation and references reviewed, as well as, the result of the interviews. The baseline methodology has been correctly applied according to the requirements.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs.</p>

D.5.4. Summary of ex ante estimates of GHG emission reductions or net anthropogenic GHG removals

Means of validation	DR, I
Findings	CL 05 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>The estimation of ER values is carried out based on equations given in the applied methodology AMS III.AV, version 04 /B05/ and conforms to the requirements of section 8.3.4 (titled 'Estimation of emission reductions') of CDM VVS for PoAs, version 01.0 /B01-1/.</p> <p>The total ex ante emission reductions resulting from each of the five CPAs for the entire first renewable crediting period of seven years is estimated to be 419,131 /02/ tCO₂e, leading to an annual average of 59,875 tCO₂e. The validation team reviewed the ER spread-sheets calculations /02/ and confirms the same to be correct.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs.</p>

D.6. Monitoring plan

D.6.1. Data and parameters to be monitored

Means of validation	DR, I
Findings	CL 06, CL 07 and CAR 02 have been raised. Refer to Appendix 4 for further details.
Conclusion	The monitoring plan presented in the CPA-DDs /01-(b)/ complies with the requirements of the PoA-DD /B03/ and the applied monitoring methodology /B05/.

The validation team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.

The validation team through a document review and interviews with the relevant stakeholders has reviewed the procedures. The information provided has allowed the validation team to confirm that the proposed monitoring plan is feasible within the project design. The relevant points of monitoring plan have been discussed with the CME.

The parameters that are to be monitored ex-post are:

Parameter	Data unit	Description	Frequency
QPW_y	Litres/year	Quantity of purified water in year y (litres)	Annual or at least biennial
$T_{y,i}$	Number	Total distributed water purification systems	Continuously
$N_{y,i}$	Persons/equipment	The average population serviced by water purification systems	Continuously
Water Quality _i	proportion	Percent of units that meet water quality requirements	Annual or at least biennial
Operational Units _i	%	Percent of the monitoring period in which the units are in use	At least once per verification or biennially
$f_{NRB,y}$	fraction	Fraction of woody biomass used in the absence of the project activity in year y that can be established as non-renewable as per the relevant provisions of "AMS-I.E: Switch from Non-Renewable Biomass for Thermal Applications by User".	Continuously or at least biennial
η_{wb}	fraction	Efficiency of water boiling system being replaced	Continuously or at least biennial
$EF_{\text{projected}_{\text{fossilfuel}}}$	tCO ₂ /TJ	Emission factor as per AMS-I.E procedures when NRB is displaced or the emission factor of the fossil fuel substituted	Continuously or at least biennial
Existence of public distribution network of safe drinking water	-	Existence of public distribution network of safe drinking water in year	Annual or at least biennial

In summary, the parameter(s) to be monitored have been presented correctly according to requirements and are considered in accordance with the applied methodology /B05/ and revised PoA-DD /B03/. This is in conformance with the requirements of §197(a) of CDM VVS for PoA (version 01.0) /B01-1/.

This is subject to review of all the supporting documents and closure of CARs/CLs.

D.6.2. Description of the monitoring plan

Means of validation	DR, I
Findings	-

Conclusion	<p>The monitoring plan presented in the CPA-DDs /01-(b)/ comply with the requirements of the revised PoA-DD /B03/ and the applied monitoring methodology /B05/. The validation team of CCIPL has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.</p> <p>The validation team through a document review and interviews with the relevant stakeholders has reviewed the procedures. The information provided has allowed the validation team to confirm that the proposed monitoring plan is feasible within the project design. The relevant points of monitoring plan have been discussed with the CME.</p> <p>The responsibilities and institutional arrangements for data collection and archiving have been clearly provided. The information provided in the CPA-DDs /01-(b)/ could be confirmed based on the interviews and also through the submitted documentary evidence namely CME management manual /xx/ covering all requirements as stated in section B.5.1 and B.5.2 of CPA-DDs /01-(b)/. Based on the same, it can be confirmed that the CME and the CPA implementer will be able to implement the monitoring plan and the achieved emission reductions can be reported ex-post and verified.</p> <p style="background-color: yellow;">This is subject to review of all the supporting documents and closure of CARs/CLs.</p>
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D.7. Start date, crediting period type and duration

Means of validation	DR, I
Findings	CL 08 has been raised. Refer to Appendix 4 for further details.
Conclusion	<p>Start date for the five CPAs is 01/04/2018 as stated in the CPA-DDs /01-(b)/. CME has considered the start date as the date on which purchase order was placed by the CME on xxx for the first lot of chlorination units for the five CPAs /03/. The validation team confirms that the start date is after the start date of the PoA. This is in line with the approved revised PoA-DD /B03/ and requirements of §199 CDM VVS for PoAs, version 01 and hence deemed acceptable.</p> <p>In addition, the duration of the crediting period for the CPAs was confirmed to be renewable at 7 years and is as per requirements of §189 of CDM PS for PoAs, version 01.0/B01-2/ and §200 of CDM VVS for PoAs, version 01.0/B01-1/.</p> <p style="background-color: yellow;">This is further subject to review of all supporting documents and closure of raised CARs/CLs.</p>

D.8. Environmental impacts

Means of validation	DR, I
Findings	-
Conclusion	<p>As mentioned in the PoA-DD /B03/, the environmental impact analysis is carried out at CPA level. Validation Team confirms that conducting environment impact assessment on the project activity is not mandatory as per national regulations. The validation team reviewed the 2nd Schedule of Environmental Management and coordination Act (EMCA) 1999 (Amended 2012) /xx/ to confirm the same. Thus, considering the above, the CME has not conducted an EIA which is deemed to be acceptable to the validation team. This is in conformance with the requirements of §209 and §210 of CDM VVS for PoAs, version 01.0 /B01-1/ and deemed appropriate to the validation team.</p>

D.9. Local stakeholder consultation

Means of validation	DR, I
Findings	CL 09 has been raised in this regard. Refer to Appendix-4 for further details.
Conclusion	<p>It has been indicated in the PoA-DD that the local stakeholder consultation will be done at the CPA level. For the current CPAs, the LSC was conducted on 24/11/2016 at 9:30 AM at Visa Oshwal Primary School, Mpaka Road, Westlands, Nairobi, Kenya. Local stakeholders were invited through emails, by post and through local</p>

	<p>volunteers. In addition, an invitation was also made through a public notice in the local newspaper. Comments were invited from stakeholders that physically attended the meeting and through email/telephone for those who couldn't be present. The summary of the comments received during the consultation process is complete and CME has taken appropriate steps to address each query/concern and gathered feedback.</p> <p>The above has been confirmed by review of the LSC Report /xx/ and related documents /xx/ as well as the CPA-DDs /xx/.</p> <p>This is deemed appropriate in the context of the PoA and is in accordance with the requirement of § 58 of CDM VVS for PoAs, version 01.0. /B01-1/.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs</p>
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D.10. Eligibility for inclusion

Means of validation	DR, I
Findings	CL 10, CL 11 and CL 12 have been raised in this regard. Refer to Appendix-4 for further details.
Conclusion	<p>All the eligibility criteria required for the inclusion of the CPAs under the PoA have been addressed in the CPA-DDs /01-(b)/. The stated confirmation against each eligibility criteria has been checked / assessed and found acceptable by the validation team and complete assessment is provided in Appendix 7.</p> <p>This is subject to review of all the supporting documents and closure of CARs/CLs</p>

SECTION E. Internal quality control

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

SECTION F. Validation opinion

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Under the validation (by means of document review and interviews with stakeholders), the validation team considers that the description of CPAs titled "Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23", "Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24"; "Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25", "Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26" and "Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27" as described in the CPA-DDs /01-(b)/ is accurate and complete; meets the requirements to be included in the PoA titled "Impact Carbon Global Safe Water Programme of Activities (PoA)" /B03/ and correctly applies the baseline and monitoring methodology AMS III.AV, Version 04 /B05/.

Standard auditing techniques have been used for the validation of the project. An analysis, as provided by the applied methodology, demonstrates that the proposed CPAs are not a likely baseline scenario. Emission reductions attributable to the CPAs are additional to any that would occur in the absence of the project activity. Given that the CPAs are implemented as designed, the project is likely to achieve the estimated amount of emission reductions as specified within the CPA-DDs /01-(b)/.

The validation is based on the information made available to CCIPL, as well as the engagement conditions detailed in this report. The validation has been performed following the CDM VVS for PoAs requirements /B01-1/.

The validation was executed in the following steps so far:

- Receipt of CPA-DDs /01-(a)/
- Desk review of revised CPA-DDs
- Issue of checklist with corrective action requests (CARs) and clarification requests (CLs) and the draft validation report
- Interview with the CME
- Follow up actions (interviews) for cross checking data

- Review of responses for CARs/CLs
- Issue of the final validation report

The CPAs correctly apply the baseline and monitoring methodology of the PoA namely AMS III.AV, version 04, “Low greenhouse gas emitting safe drinking water production systems” /B05/.

The validation did not reveal any information that indicates that the CPAs can be seen as a diversion of ODA funding.

The CPA-DDs contain monitoring plan for the monitoring of the emission reductions from the project. The monitoring arrangements described in the monitoring plan are feasible within the project design and it is CCIPL’s opinion that the project participants are able to implement the monitoring plan.

By distribution and operation of water purification systems, the project activity will result in reductions of greenhouse gas (GHG) emissions that are real, measurable and provide long-term benefits to the mitigation of climate change.

During the course of validation a total of two (02) Corrective Action Requests (CARs) and twelve (12) Clarification Requests (CLs), for the CPAs, were identified on the initially submitted CPA-DDs /01-(a)/ which need to be resolved by the CME.

The single purpose of this report is its use during the inclusion process (of the specific CPAs). The review of the CPA-DDs /01-(b)/, subsequent follow-up interviews and further verification of references have provided CCIPL, with sufficient evidence to determine the fulfilment of stated criteria in the PoA-DD /B03/ and the CPA-DDs /01-(b)/. In the opinion of CCIPL, the CPAs meet all relevant UNFCCC requirements for the CDM if the underlying assumptions do not change. CCIPL recommends the five CPAs for inclusion in the registered PoA.

Appendix 1. Abbreviations

Abbreviations	Full Texts
BE	Baseline Emission
CAR	Corrective Action Request
CCIPL	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 ₂	Carbon Dioxide
CO ₂ 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
EIA	Environmental Impact Assessment
ER	Emission Reduction
FAO	Food and Agricultural Organization
FAR	Forward Action Request
GHG	Greenhouse Gas
GWh	Giga Watt Hours
I	Interview
ICS	Improved cook stoves
IPCC	Intergovernmental Panel on Climate Change
kW	Kilo Watt
kWh	Kilo Watt Hours
L	Leakage
LSC	Local Stakeholder Consultation
MoV	Means of Verification
MoC	Modalities of Communications
MW	Mega Watt
MWh	Mega Watt Hours
NCV	Net Calorific Value
NRB	Non-renewable Biomass
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
SD	Sustainable Development
t	Tonne
UNFCCC	United Nations Framework Convention on Climate Change
WPS	Water purification system
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

To be provided with FVR

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
/01/	Impact Carbon	a) Initial CPA-DDs: i. CPA 023 ii. CPA 024 iii. CPA 025 iv. CPA 026 v. CPA 027	Version 1.0, dated 06/09/2018	CME
		b) Final CPA-DDs: i. CPA 023 ii. CPA 024 iii. CPA 025 iv. CPA 026 v. CPA 027	Version 2.0, dated xxxx	
/02/	Impact Carbon	Emission reduction calculation spread-sheets for: i. CPA 023 ii. CPA 024 iii. CPA 025 iv. CPA 026 v. CPA 027	--	CME
/03/	Impact Carbon	Evidence for the start date of the five CPAs (purchase order for the chlorination units)	Dated: 01/04/2018	CME
/04/	Relevant country Govt. Authority	Certificate of Incorporation of the CME (Impact Carbon) and CPA implementer (Impact Water Kenya)		CME
/05/	xxxx	Evidence for the technical specifications of the water purification system – chlorination system (Ultra Flo and Ultra Tab) to be distributed in the five CPAs including the project lifetime	-	CME
/06/	Impact Carbon	Evidence for the sample unique serial numbering for the water purification units to be distributed in the CPAs	--	CME
/07/	Impact Carbon	Endorsement letter received from xxx confirming project technology compliance with WHO safe water guidelines		CME
/08/	Impact Carbon	A self-declaration from CME stating that the five CPAs are not registered as any other individual CDM projects and are not CPAs in any other PoA	Letter dated xxx	CME
/09/	World Health Organization	Evaluating household water treatment options: Health-based targets and microbiological performance specifications (WHO)	Published by World Health Organization	CME
/10/	Impact Carbon	A self-declaration from the CME confirming that the five CPAs do not use any investment which leads to diversion of ODA funds	Letter dated xx	CME
/11/	Impact Carbon	Sample template agreements of CME with technology supplier and owner of each individual WPS clearly indicating the transfer of right of carbon credits to CME (eligibility criterion number 2 for avoiding double counting)	--	CME
/12/	Impact Carbon	Sample snapshots from Sales Force for demonstration of data management system	-	CME
/13/	Impact Carbon	Agreement copy in between CME (Impact Carbon) and CPA implementer (Impact Water Kenya)	-	CME
/14/	Impact Carbon	Sample installation records	-	CME
/15/	Impact Carbon	Organizations chart for the PoA / CPA implementation and monitoring	-	CME
/16/	Impact Carbon	Training manual, plans and records including project technology operation manual	-	CME

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/17/	Impact Carbon	CME manual	-	CME
/18/	Impact Carbon	Implementation schedule for the five CPAs with evidence for the 1 st installation date for Ultra Flo and Ultra Tab	-	CME
/19/	Impact Carbon	Documents pertaining to Local Stakeholder Consultation (LSC): a) LSC Report b) Copy of Power Point Presentation c) List of attendees d) Meeting notes	-	CME
/20/	Impact Carbon	Records of the water purification units distributed till date in the CPAs	-	CME
/21/	National Environment Management Authority (Kenya)	Letter of Approval dated 11/04/2017	Ref. No. NEMA/10/3/VOL.XII dated 11/04/2017	CME
/22/	National Council for Law Reporting, The Republic of Kenya	Environmental Management and Co-Ordination Act (Revised edition 2012), Kenya	Laws of Kenya, Chapter 387 http://kenyalaw.org/kl/	CME
/23/	World Health Organization	WHO guidelines for accessing public distribution networks: 'Manual for Sanitation Inspection and Water Quality Analysis'	-	CME
/24/	Kenya National Bureau of Statistics	Kenya Demographic and Health Survey (DHS) - 2014	Implemented by the Kenya National Bureau of Statistics. Document published on December 2015	CME
/25/		Evidence for each of the applicability criteria of the methodology		
/26/		Evidence for each of the eligibility criteria for inclusion of the CPAs in the PoA		
/27/		Feasibility Study / Official publications (e.g. from WHO) to demonstrate eligibility criterion 6		
/28/		Evidence for eligibility criterion 7 as stated in the CPA-DDs		
/29/		Sample sales receipts copies (for eligibility criteria number 8, 9, 13)		
/B01/	UNFCCC	1. CDM Validation and Verification Standard for Programme of Activities (Version 01.0). 2. CDM Project Standard for Programme of Activities (Version 01.0) 3. CDM Project Cycle Procedure for Programme of Activities (Version 01.0)	http://cdm.unfccc.int/	UNFCCC
/B02/	UNFCCC	UNFCCC project page weblink: For the PoA 9948: https://cdm.unfccc.int/ProgrammeOfActivities/poa_db/5J361FUKQVNMRA00ZPGLH9C7STED1W/view	http://cdm.unfccc.int/	UNFCCC
/B03/	Impact Carbon	Approved Revised PoA-DD version 7.0, dated 18/04/2017 (PoA reference number 9948)	http://cdm.unfccc.int/	UNFCCC
/B04/				
/B05/	UNFCCC	AMS III.AV. Energy efficiency measures in thermal applications of non-renewable biomass (version 04)	http://cdm.unfccc.int/	UNFCCC

/B06/	UNFCCC		http://cdm.unfccc.int/	UNFCCC
/B07/	UNFCCC	<ol style="list-style-type: none"> 1. Component project activity design document form for CDM component project activities (CDM-CPA-DD-FORM), (Version 08.1) 2. Instructions for filling out the component project design document form for CDM component project activities (Version 08.1) 	http://cdm.unfccc.int/	UNFCCC
/B08/	UNFCCC	<p>PoA Specific guidelines / standards / Forms published by UNFCCC:</p> <ol style="list-style-type: none"> 1. PoA Standard: Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities (version 3.0) 2. Standard for Sampling and Surveys for CDM Project Activities and Programme of Activities (EB 74, Annex 6) 3. Guidelines on assessment of debundling for SSC project activities (Version 03.1) 	http://cdm.unfccc.int/	UNFCCC
/B09/	UNFCCC	Glossary of CDM terms (version 09.1)	http://cdm.unfccc.int/	UNFCCC

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

Table 1. CLs from this validation

CL ID	CL 01	Section no.	D.3	Date: 21/09/2018
Description of CL				
CME needs to confirm the CPA implementers in Section A.5 of the CPA-DDs and provide the evidence of its legal status.				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CL ID	CL 02	Section no.	D.3	Date: 21/09/2018
Description of CL				
On reviewing of UNFCCC web site it is found that there are other water purification projects in Kenya. In this respect the CME needs to justify the statement in section A.7 of the CPA-DDs " <i>The assessment of former project activities in the proposed CPA boundary shows that there is no other project in Kenya that shares common resource with the proposed CPA</i> ".				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CL ID	CL 03	Section no.	D.4.3	Date: 21/09/2018
Description of CL				

<p>In section B.2 of the CPA-DDs, for “Emissions from electricity usage for water purification technologies” it is stated as “yes”. Also, in section B.3 of the CPA-DDs it is stated “The project technology is reducing the fuel emissions (GHG emissions due to burning of fossil fuels and charcoal), by providing purified water with or without use of electricity”. CME to confirm whether the WPS in the CPAs will use electricity. Clarification is requested considering that the CPA type 2 being considered for these CPAs are “Technologies for Institutional water consumption, <u>no project emission</u>”.</p>	
CME response	Date:
Documentation provided by the CME	
DOE assessment	Date:

CL ID	CL 04	Section no.	D.4.3	Date: 21/09/2018
Description of CL				
<p>CME needs to provide evidence for the baseline scenario as stated in section A.3 and B.3 of the CPA-DDs in line with the applied methodology. For the ex-ante fixed parameter “Case 1 or Case 2”, CME needs to clearly state the option applied for the CPA in the row “Choice of data or measurement methods and procedures” and provide credible evidence for its application.</p>				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CL ID	CL 05	Section no.	D.5.4	Date: 21/09/2018
Description of CL				
<p>In section B.4.4 of the CPA-DDs, the arithmetic difference of Baseline Emissions and Leakage does not lead to Emission reduction.</p>				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CL ID	CL 06	Section no.	D.6.1	Date: 21/09/2018
Description of CL				
<p>Based on interviews with the CME it is understood that the Chlorine concentration of 0.5 to 2 ppm in the treated water is deemed to be safe for drinking. CME is requested to clarify with evidence whether this is in line with WHO / National standard. Accordingly, section B.5.1 of the CPA-DDs for the monitoring parameter “Water quality measurement” needs to be updated.</p>				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CL ID	CL 07	Section no.	D.6.1	Date: 21/09/2018
Description of CL				
<p>For the monitoring parameter “f_{NRB,y}”, “Measurement methods and procedures” is not as per the registered PoA-DD.</p>				
CME response				Date:
Documentation provided by the CME				

DOE assessment				Date:
CL ID	CL 08	Section no.	D.7	Date: 21/09/2018
Description of CL				
CME needs to provide the objective evidence for the start dates for each of the CPAs (copy of purchase order with the technology supplier).				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:
CL ID	CL 09	Section no.	D.9	Date: 21/09/2018
Description of CL				
CME is requested to provide the evidence for local stakeholders consultation meeting for the CPAs to be included in Kenya.				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:
CL ID	CL 10	Section no.	D.10	Date: 21/09/2018
Description of CL				
CME needs to clarify how the eligibility criterion number 2 for double counting will be met for the CPAs as stated in the CPA-DDs and provide evidence for the same.				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:
CL ID	CL 11	Section no.	D.10	Date: 21/09/2018
Description of CL				
In section A. 3 of the CPA-DDS, CME is requested to provide the exact technical specifications of the technology planned to be implemented in the CPAs along with evidences confirming to the eligibility criterion number 3.				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:
CL ID	CL 12	Section no.	D.10	Date: 21/09/2018
Description of CL				
CME is requested to provide the evidence for "Baseline Water Quality Survey Report" for demonstration of project falling under Case 1 of the applied methodology (also for qualifying eligibility criterion 6).				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

Table 2. CARs from this validation

CAR ID	CAR 01	Section no.	D.4.1	Date: 21/09/2018
Description of CAR				
Demonstration of meth applicability criteria has not been demonstrated in the CPA-DDs (Cp section B.2 of the generic CPA in the PoA-DD).				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

CAR ID	CAR 02	Section no.	D.6.1	Date: 21/09/2018
Description of CAR				
CME needs to clarify the reason of excluding the monitoring of “Existence of public distribution network of safe drinking water” which is the requirement of paragraph 2 (a) of the applied methodology and also part of the generic CPA-DD.				
CME response				Date:
Documentation provided by the CME				
DOE assessment				Date:

Table 3. FARs from this validation

FAR ID	xx	Section No.		Date: DD/MM/YYYY
Description of FAR				
-				
CME response				Date: DD/MM/YYYY
-				
Documentation provided by CME				
-				
DOE assessment				Date: DD/MM/YYYY
-				

Appendix 5. Assessment of methodology applicability of the CPA

Applicability criteria of AMS III.AV (version 04)	CME Justification	Assessment of DOE
<p>Prior to the implementation of the project activity, a public distribution network supplying safe drinking water (SDW) to the project boundary does not exist. If during the crediting period SDW is made available through a public distribution network, the emission reductions pertaining to the households/buildings supplied by the public system cannot be claimed from that point onwards. This condition should be checked annually during the monitoring period.</p>	<p>To be filled on closure of CAR/CLs</p>	<p>To be filled on closure of CAR/CLs</p>
<p>It shall be demonstrated based on laboratory testing or official notifications (for example notifications from the national authority on health) that the application of the project technology/equipment achieves compliance either with:</p> <p>(i) at a minimum the performance target as per “Evaluating household water treatment options: Health based targets and microbiological performance specifications” (WHO, 2011); or</p> <p>(ii) an applicable national standard or guideline</p>	<p>To be filled on closure of CAR/CLs</p>	<p>To be filled on closure of CAR/CLs</p>
<p>In cases where the life span of the water treatment technologies is shorter than the crediting period of the project activity, there shall be documented measures in place to ensure that end users have access to replacement purification systems of comparable quality.</p>	<p>To be filled on closure of CAR/CLs</p>	<p>To be filled on closure of CAR/CLs</p>
<p>Applicability of this methodology is foreseen in the following types of situations that shall be reassessed at the beginning of each crediting period:</p> <p>(a) Case 1: Project activities implemented in rural or urban areas</p>	<p>To be filled on closure of CAR/CLs</p>	<p>To be filled on closure of CAR/CLs</p>

<p>of countries with proportion of rural or urban population using an improved drinking-water source equal to or less than 60 per cent confirmed by one of the three options below:</p> <p>(i) Proportion of populations using an improved drinking-water source for the most recent year for which data is available from WHO/UNICEF Joint Monitoring Programme (JMP) for Water Supply and Sanitation shall be used (<http://www.wssinfo.org/data-estimates/table/>) for this purpose. Definition of improved and unimproved drinking water source shall be as per the information provided by JMP;</p> <p>(ii) Using official data such as publicly available statistical data from a government agency or an independently commissioned study by an international organization or a university;</p> <p>(iii) Using survey methods (use 90/10 confidence/precision for sampling);</p> <p>(b) Case 2: Project activities implemented in areas not included in Case 1.</p>		
<p>The use of this methodology in a project activity under a programme of activities is legitimate if the leakage is estimated and accounted for as per the relevant provisions of AMS-I.E under the section for programme of activities.</p>	<p>To be filled on closure of CAR/CLs</p>	<p>To be filled on closure of CAR/CLs</p>

Appendix 6. Assessment of compliance with minimum technical specifications criteria

Technology specification criteria	Minimum specifications	Actual project technology specifications	Assessment by DOE
<u>Flow rate</u>	50 L/hr	To be filled on closure of CAR/CLs	To be filled on closure of CAR/CLs
<u>Capacity/lifespan</u>	219,000 L or 1year	To be filled on closure of CAR/CLs	To be filled on closure of CAR/CLs
<u>Fixed or portable</u>	Fixed	To be filled on closure of CAR/CLs	To be filled on closure of CAR/CLs
<u>Removal of E.coli</u>	99 (4-log)	To be filled on closure of CAR/CLs	To be filled on closure of CAR/CLs
<u>Watts/Voltage</u>	5	To be filled on closure of CAR/CLs	To be filled on closure of CAR/CLs

Appendix 7. Assessment on CMEs demonstration of CPAs compliance with the eligibility criteria

S.No.	Eligibility Criteria Category	Description	CPA Indicator	DOE Assessment
1	Location	All water purification systems in each CPA are located within the geographical boundary of Kenya.	<input checked="" type="checkbox"/> _____ Verifiable evidence: <ul style="list-style-type: none"> – Geographical reference points of borders in section A.7 of the CPA-DD. 	To be filled on closure of CAR/CLs
2	Double Counting	<p>Each water purification system has a unique serial number and programme logo engraved or permanently attached as a nameplate or sticker. The serial numbers are listed in the CPA Project database and recorded in the Sales Receipt.</p> <p>[and]</p> <p>The name of each end-user (or individual who purchased product for institution or community center) will be recorded as part of the Sales Receipt and CPA Project Database. The address will be recorded if possible, alternatively other means of locating the unit such as GPS can be used.</p> <p>[and]</p> <p>The CME has an agreement in place with owner of each individual water purification system in the CPA in which the owner transfers the rights to the emissions reductions exclusively to the CME as part of the Carbon Rights Waiver within the Sales Receipt.</p> <p>[and]</p> <p>The CME has an agreement in place with each technology supplier in which it is stated that the supplier transfers the</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: <ul style="list-style-type: none"> – Operations Manual, documented procedures – Example of sales receipt/CRW. – Agreement with technology supplier(s). 	To be filled on closure of CAR/CLs

		rights to the emissions reductions of each water purification system exclusively to the CME.		
3	Technology	<p>Each CPA will employ water purification systems that are point-of-use or point-of-entry treatment systems, and are in line with criterion 7). Each unit must achieve water quality defined in relevant national standards or international guidelines for drinking water quality.</p> <p>The technologies must meet minimum criteria for specific CPA type, as outlined below:</p> <p><u>CPA type 3: Technologies for institutional water consumption, with project emissions:-</u></p> <ul style="list-style-type: none"> • <u>Minimum flow rate: 50 L/hr-</u> • <u>Minimum capacity/lifespan: 219,000 L or 1year-</u> • <u>Fixed or portable: Fixed-</u> • <u>Removal of E.coli: 99 (4-log)-</u> • <u>Minimum Watts/Voltage: 5</u> 	<input checked="" type="checkbox"/> _____ Verifiable evidence: - Technological specifications of technology	To be filled on closure of CAR/CLs
4	Start Date	<p>Each CPA will prove that the start date of the CPA is on or after the start date of the PoA, which is stated in section D.1 of the PoA-DD</p> <p>The start date of the CPA is the date on which the first water purification systems to be included in the CPA are ordered from the manufacturer. This is the earliest date at which real action of the program activity was taken, on which the CME committed expenditures related to implementation with the purchase of the first units for the project activity. This is</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: – Purchase order to technology supplier	To be filled on closure of CAR/CLs

		documented in the purchase order or contract agreement with the technology supplier.		
5	Methodology	<p>Each CPA will apply the baseline and monitoring methodology AMS-III.AV (version 4).</p> <p>The CPA will introduce water purification systems to provide safe drinking water to households, institutions and/or communities.</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: – Technological specifications document(s)	To be filled on closure of CAR/CLs
6	Methodology	<p>Prior to the implementation of the project activity, a public distribution network of safe drinking water did not exist within the project boundary.</p> <p>If, during the crediting period, any users are provided with safe drinking water through a public distribution network, these users will be removed from the CPA.</p> <p>This will be monitored annually.</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: – Feasibility study or – National reports or – Official publications (e.g. from WHO) or – Water quality Tests or – Interviews with public officials, NGOs, end-users	To be filled on closure of CAR/CLs
7	Methodology	<p>The water purification technology/equipment must achieve compliance with either:</p> <p>(a) a relevant national standard</p> <p>or</p> <p>(b) The interim performance targets as per “Evaluating household water treatment options: Health based targets and microbiological performance specifications” (WHO 2011)</p>	<input checked="" type="checkbox"/> _____ – Verifiable evidence: Laboratory test report and/or official notifications (e.g. from national authority on health). – Technical specifications document(s)	To be filled on closure of CAR/CLs
8	Methodology	<p>In the case that the life span of water treatment technologies is less than the length of the crediting period, all users (or individual who purchased product for institution or community center) will be</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: – Sales Receipt template	To be filled on closure of CAR/CLs

		<p>provided with the contact details (phone number, email address and name) of the CME/CPA Implementer from whom replacement systems can be obtained via the Sales Receipt.</p> <p>The contact information provided for the CME or CPA implementer is a mobile number which is registered to the company and should not change. However, if a change is made to the contact information, (a) all users (or individual who purchased product for institution or community center) for whom contact information was collected will receive notification via SMS with updated information and/or (b) upon calling the original mobile number, all users shall be redirected to the updated contact. At the time of sale, sales representative will explain that the user can contact the CME or CPA implementer at any time when they need to purchase a replacement system. With this information, users are ensured a means of accessing replacement purification systems of comparable quality.</p>		
9	Additionality	<p>The additionality of CPA shall be confirmed in line with the requirements of '<i>Guidelines on the Demonstration of Additionality of Small-Scale Project Activities</i>' (Attachment A to Appendix B) (version 09.0).</p> <p>In each CPA-DD it shall be demonstrated that:</p> <ul style="list-style-type: none"> - the water purification system installed is operating as an isolated unit. 	<p><input checked="" type="checkbox"/></p> <p>_____</p> <p>– Sales Receipt template for specifying user group</p> <p>_____</p>	<p>To be filled on closure of CAR/CLs</p>

		<p>- the users of the water purification systems are either households, institutions, or communities</p> <hr/> <p>- the size of each unit is no larger than 5% of the small-scale CDM threshold or 3,000 tCO2e reduced per year</p>	<p>- Sales receipt template for specifying user group</p> <hr/> <p>- Emissions Reductions calculations spreadsheet demonstrating ERs per unit</p>	
10	Local Stakeholder Consultation	A local stakeholder consultation has been carried out for the CPA.	<input checked="" type="checkbox"/> _____ Verifiable evidence: - Local stakeholder consultation report	To be filled on closure of CAR/CLs
11	Environmental impact analysis (EIA)	An environmental impact analysis (EIA) has been carried out for the CPA, or evidence is provided that the programme activities are exempt from an EIA.	<input checked="" type="checkbox"/> _____ Verifiable evidence: - EIA report or - EIA exemptions notice from the government.	To be filled on closure of CAR/CLs
12	Public Funding	A written confirmation from the CPA Implementer has confirmed that no funding from Annex 1 parties has been used for this CPA [or] If used, a written confirmation from the donor confirms that this did not result in a diversion of official development assistance (ODA).	<input checked="" type="checkbox"/> _____ Verifiable evidence: - Written confirmation from CPA implementer - If funding from Annex 1 parties was used, written confirmation from donor that it did not result in a diversion of ODA	To be filled on closure of CAR/CLs
13	Target Group	The target group will be Households, institutions or communities, as defined by the CPA type:	<input checked="" type="checkbox"/> _____ Verifiable evidence: - Operations Manual	To be filled on closure of CAR/CLs

		<p>CPA type 3: Institutions</p> <p>Target group is recorded in the Sales Receipt, to be distributed according to mechanisms described in section A.2, including direct sales and sales through distribution partners.</p>	<ul style="list-style-type: none"> - Contract with CPA Implementer or distribution partner - Technology type 	
14	Sampling requirements	<p>The sampling method applied in the CPA (e.g. in the monitoring plan) follows the <i>Standard for Sampling and Surveys for CDM Project Activities and Programme of Activities</i> (EB 74, Annex 6).</p> <p>A minimum 90% confidence interval and a 10% margin of error requirement is achieved for the sampled parameters. When a single sampling plan covers a group of CPAs or when monitoring is conducted biennially (every two years), confidence/precision of 95/10 for the sample size calculation is applicable.</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: <ul style="list-style-type: none"> - Sampling Plan 	To be filled on closure of CAR/CLs
15	Size Limit	<p>The CPA's annual emissions reduction in aggregate remains below the small-scale limit of 60,000 tCO₂e reduced per annum throughout the crediting period.</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: <ul style="list-style-type: none"> - Emissions reductions calculation spreadsheet 	To be filled on closure of CAR/CLs
16	De-Bundling	<p>The proposed CPA of the PoA is not a debundled component of a large scale activity because:</p> <p>Each of the independent subsystems/measures included in the CPA of a PoA is no larger than 1% of the small-scale thresholds defined by the applied methodology (i.e. not exceeding 600tCO₂e for SSC type III methodologies).</p>	<input checked="" type="checkbox"/> _____ Verifiable evidence: <ul style="list-style-type: none"> - Emissions reductions calculation spreadsheet 	To be filled on closure of CAR/CLs

Appendix 8. Validation Protocol for proposed CPAs Inclusion into the PoA

Conformity of Component Project Activities

CDM-CPA-DD Requirements Checklist

CPA 023

CPA 024

CPA 025

CPA 026

CPA 027

in Kenya

Table 1: CDM-CPA-DD / CDM-SSC-CPA-DD Requirements Checklist ((based on § 37 of the CDM Modalities and Procedures and on VVS , Project Standard and Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities,))

Checklist	Comment	Ref.	Draft Concl.	Final Conc.
<i>Specific requirements of CPA</i>				
<i>SECTION A. General description of CPA</i>				
<i>A.1. Title of the proposed or registered PoA</i>				
A.1.1. Is the reference and title of the PoA to which this CPA is included provided?	Yes, the reference number of the PoA has been provided in this section.	/01-(a)/	OK	OK
<i>A.2. Title of the CPA</i>				
A.2.1. Is the title of the CPA and the unique identification of the CPA Indicated?	Yes, the title of the CPA and the unique identification of the CPA has been appropriately indicated.	/01-(a)/	OK	OK
A.2.2. Is the current version number of the CPA-DD Indicated?	Yes, the current version number of CPA-DD has been provided in this section.	/01-(a)/	OK	OK
A.2.3. Is the date the CPA-DD was completed (DD/MM/YYYY) Indicated?	Yes, the date of completion of CPA-DD has been provided in this section.	/01-(a)/	OK	OK
<i>A.3. Description of the CPA</i>				
A.3.1 Is the description of the technology(ies) and/or measures used by the CPA is in accordance with the proposed or registered PoA, and in accordance with the applicable provisions in the Project standard?	Yes, the description of the technology and/or measure used by the CPA is in accordance with the proposed or registered PoA, and the applicable provisions in the Project standard. However, CL 01 and CL 02 are raised.	/01-(a)/	CL 01 CL 02	
<i>A.4 Entity/individual responsible for CPA</i>				
A.4.1.1 Is the information on the CPA implementer(s) provided? (CPA implementers can be project participants of the PoA, under which the CPA is submitted, provided)	Yes, appropriate information on the CPA implementer has been provided. However, CL 01 is raised.	/01-(a)/	CL 01	
A.4.1.2 Is the name of CPA implementers included in the CPA is consistent with the proposed/ registered PoA?	Yes, the name of CPA implementer included in the CPA is consistent with the registered PoA.	/01-(a)/	OK	OK
<i>A.5 Technical description of the CPA</i>				

<p>A.5.1. Is the description the technologies and/or measures to be employed and/or implemented by the CPA including a list of the facilities, systems and equipment that will be installed and/or modified by the CPA provided?</p>	<p>Yes, the description of the technologies and/or measures to be employed and/or implemented by the CPA including a list of the facilities, systems and equipment that will be installed and/or modified by the CPA has been appropriately provided.</p> <p>However, CL 02 is raised</p>	<p>/01-(a)/</p>	<p>CL 02</p>	
<p>A.5.2 Does the description includes;</p>				
<p>A.5.2.1 A list and the arrangement of the main manufacturing/production technologies, systems and equipment involved provided?</p>	<p>Not Applicable</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.2.2 information about the age and average lifetime of the equipment based on manufacturer's specifications and industry standards, and existing and forecast installed capacities, load factors and efficiencies?</p>	<p>Yes, information about the age and average lifetime of the equipment is based on manufacturer's specifications.</p>	<p>/01-(a)/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.2.3 The monitoring equipment detail and their location in the systems. Does the monitoring detail provided are complete to measure all data and parameters such that Emission reduction can be measured or calculated?</p>	<p>Not Applicable</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.2.4 Energy and mass flows and balances of the systems and equipment included in the CPA?</p>	<p>Not Applicable</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.2.5 The types and levels of services (normally in terms of mass or energy flows) provided by the systems and equipment that are being modified and/or installed under the CPA and their relation, if any, to other manufacturing/production equipment and systems outside the project boundary?</p>	<p>Not Applicable</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.2.6 if the types and levels of services provided by those manufacturing/production systems and equipment outside the project boundary also constitute important parameters of the description. Does the description clearly explain how the same types and levels of services provided by the CPA would have been provided in the baseline scenario?</p>	<p>Not Applicable</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>
<p>A.5.3 Does the description contains a list of:-</p>				
<p>A.5.3.1 Facilities, systems and equipment in operation under the existing scenario prior to the implementation of the CPA?</p>	<p>Yes, this section contains description of systems/equipment in operation under the existing scenario prior to the implementation of the CPA.</p>	<p>/01-(a)/, /B05/</p>	<p>OK</p>	<p>OK</p>

A.5.3.2 Facilities, systems and equipment in the baseline scenario?	Yes, this section contains description of systems/equipment in operation existing in the baseline scenario.	/01-(a)/ /B05/	OK	OK
A.5.3.3 In case the baseline scenario is a continuation of current practice. Is it stated that both the scenarios are same?	Yes, the baseline scenario is a continuation of current practice.	/01-(a)/ /B05/	OK	OK
A.5.3.4 Does the information provides the purpose of the CPA and how it reduces GHG emissions?	Yes, information provided describes the purpose of the CPA and how it reduces GHG emissions.	/01-(a)/ /B05/	OK	OK
A.6. Party(ies)				
A.6.1 Does the Party (ies) and CPA implementer(s) involved in the CPA provided in tabular format and in Appendix 1 Consistent and the contact information complete?	Yes, the Party and CPA implementer involved in the CPA has been provided in tabular format and is further consistent with the information contained in Appendix 1 and is complete.	/01-(a)/	OK	OK
A.7. Geographic reference or other means of identification				
A.7.1 Is the geographic reference or other means of identification that allows for the unique identification of the CPA provided? (maximum in one page)?	Yes, appropriate geographic reference has been provided which allows for the unique identification of the CPA provided.	/01-(a)/	OK	OK
A.8. Duration of the CPA				
A.8.1 Start date of the CPA				
A.8.1 Is the start date provided in (DD/MM/YYYY) format?	Yes, the start date has been provided in the DD/MM/YYYY format.	/01-(a)/	OK	OK
A.8.1 Does the description, of how the start date was determined and is in line with the definition of start date in "Glossary of CDM terms" and provided in POA-DD?	Yes, the description of how the start date was determined has been provided and is further in line with the definition of start date in "Glossary of CDM terms". However, CL 08 has been raised.	/01-(a)/	CL 08	
A.8.2 Expected operational lifetime of the CPA				
A.8.2.1 Is the expected operational lifetime of the CPA stated in years and months?	Yes, the expected operational lifetime of the CPA stated in years.	/01-(a)/	OK	OK
A.9. Choice of the crediting period and related information				
Does the type of crediting period renewable or Fixed chosen and clearly stated?	The type of crediting period chosen is renewable and is clearly stated.	/01-(a)/	OK	OK

A.9.1 Choice of the crediting period and related information				
Is the expected start date of the crediting period of the CPA indicated in (DD/MM/YYYY) format, and line with PoA?	Yes, the expected start date of the crediting period of the CPA has been indicated in (DD/MM/YYYY) format and is line with PoA.	/01-(a)/	OK	OK
A.9.2 Length of the crediting period				
A.9.2.1 Is the length of the crediting period chosen clearly indicated?	Yes, the length of the crediting period chosen is 7 years (twice renewable) and has been clearly indicated.	/01-(a)/	OK	OK
A.9.2.1.1 In case a renewable crediting period is chosen, does the length of the first crediting period and the number of renewal periods provided?	Yes, renewable crediting period is chosen and the length of the first crediting period and the number of renewal periods has been appropriately provided.	/01-(a)/	OK	OK
A.9.2.1.2 Does the total renewal periods comply and do not exceed the PoA validity period?	Yes, the total renewal periods comply and do not exceed the PoA validity period.	/01-(a)/	OK	OK
A.10 Estimated amount of GHG emission reductions				
Does the estimated annual GHG emission reductions for each year of the crediting period and, the annual average and the total GHG emission reductions over the chosen crediting period (or the first crediting period) provided in the table?	Yes, the estimated annual GHG emission reductions for each year of the crediting period and, the annual average and the total GHG emission reductions over the chosen crediting period (or the first crediting period) have been provided in the table. However, CL 05 has been raised.	/01-(a)/	CL 05	
A.11. Public funding of the CPA				
A.11.1 Does the PoA receives public funding from Parties included in Annex I?	No, the PoA does not receive public funding from Parties included in Annex I.	/01-(a)/	OK	OK
A.11.2 if the PoA receives public funding from Parties included in Annex I, is the information on Parties providing public funding Provided in Appendix 2 and the affirmation obtained from such Parties is in accordance with applicable provisions related to official development assistance in the Project standard?	Not Applicable	/01-(a)/	OK	OK
A.12. Confirmation for CPA				
A.12. Does the description include and confirm that the CPA is neither registered as an individual CDM project activity nor is part of another registered PoA?	Yes, the description includes and further confirms that the CPA is neither registered as an individual CDM project activity nor is part of another registered PoA.	/01-(a)/	OK	OK

SECTION B. Environmental analysis				
B.1. Analysis of the environmental impacts				
B.1.1 Is the analysis of the environmental impacts required and is undertaken,	No, analysis of the environmental impacts is not mandatory as per host party regulations.	/01-(a)/	OK	OK
B.1.2 Does the description and the analysis of environmental impacts undertaken is as per the PoA.	Not Applicable	/01-(a)/	OK	OK
B.2. Environmental impact assessment				
B.2.1. Is an environmental impact assessment required?	No, EIA is not mandatory as per host party regulations.	/01-(a)/	OK	OK
B.2.1.1 Does the assessment of the requirement of Environmental impact assessment and the conclusion & related references to all documentation provided?	Not Applicable	/01-(a)/	OK	OK
B.2.2 In case the section B1and B.2 is kept blank. Is it indicated and confirmed that the environmental analysis is provided at the PoA level.	Not Applicable	/01-(a)/	OK	OK
SECTION C. Local stakeholder comments				
C.1. Solicitation of comments from local stakeholders				
C.1 Is the detail of process by which comments from local stakeholders have been invited for the CPA described?	Local Stakeholder Consultation was conducted at CPA level. Thus, this section is Not Applicable. However, CL 09 has been raised.	/01-(a)/	CL 09	
C.2. Summary of comments received				
C.2 Are all stakeholders that have made comments Identified and Is the summary of these comments provided?	Subject to closure of CL 09	/01-(a)/	CL 09	
C.3.1 Does the information provided demonstrate that all comments received have been considered?	Subject to closure of CL 09	/01-(a)/	CL 09	
C.3.2. In case the section C1 and C.2 is kept blank. Is it indicated and confirmed that the stakeholder consultation information is provided at the PoA level?	Subject to closure of CL 09	/01-(a)/	CL 09	
SECTION D. Eligibility of CPA and estimation of emissions reductions				
D.1. Title and reference of the approved baseline and monitoring methodology(ies) selected.				
D.1. Is the exact methodology(ies) Identified and reference & title of the approved methodology provided?	Yes, CME has provided the UNFCCC reference of the applied methodology.	/01-(a)/	OK	OK

D.2. Application of methodology(ies)				
D.2.1 Is it demonstrated how the applicability conditions of the approved methodology(ies) and the PoA are met?	The CME has not demonstrated the applicability conditions of the methodology in the initially submitted CPA-DD. CAR 01 is raised.	/01-(a)/	CAR 01	
D.2.2 Has the documentation that has been used provided and explained? Is the reference of documentation included in Appendix 3?	Subject to closure of CAR 01	/01-(a)/	CAR 01	
D.3. Sources and GHGs				
D.3.1 Does all the sources and GHGs included in the CPA boundary Described in accordance with the PoA?	The description of project boundary provided is complete and as per the narrative provided in the applied methodology. However, CL 03 is raised.	/01-(a)/	CL 03	
D.3.2 Does the proof which shows that the CPA is located within the geographical boundary of the proposed or registered PoA Provide?	Yes, the proof which shows that the CPA is located within the geographical boundary of the proposed or registered PoA has been mentioned and provided.	/01-(a)/	OK	OK
D.3.3. Does all emission sources and GHGs included in the CPA boundary described, explained and justified using the table provided?	Yes, all emission sources and GHGs included in the CPA boundary described are explained and justified using the table provided.	/01-(a)/	OK	OK
D.3.4 Does the section Include a flow diagram of equipment, energy and mass flows based on the description provided in section A.5. of CPA-DD?	Yes, this section includes a flow diagram of equipment, energy and mass flows based on the description provided in section B.2. of CPA-DD. The section numbering has changed from A.5 to B.2 as the CPA-DD form has been revised.	/01-(a)/	OK	OK
D.4. Description of the baseline scenario				
D.4 Is the description of the baseline scenario and its identification for the CPA is in accordance with the PoA?	Yes, the description of the baseline scenario and its identification for the CPA is in accordance with the PoA. However, CL 04 is raised.	/01-(a)/	CL 04	
D.5. Demonstration of eligibility for a CPA				

<p>D.5.1 Does CPA meets each of the eligibility criteria of the PoA including confirmation of additionality of the CPA for its inclusion into the PoA? Please provide assessment for each of the eligibility criteria as per the proposed or registered PoA DD, the eligibility criteria shall cover (unless differently mentioned in the registered PoA DD, if the registered PoA DD provides different set of eligibility criteria, consider those in the below row) a minimum the following :</p>	<p>Yes, the CPA meets each of the eligibility criteria of the PoA including confirmation of additionality of the CPA for its inclusion into the PoA. However, CL 10, CL 11 and CL 12 are raised.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(a) The geographical boundary of the CPA including any time-induced boundary # consistent with the geographical boundary set in the PoA # For example, an emission factor for electricity generation is dependent on the boundaries of regional or state or sub-regional grids.</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(b) Conditions that avoid double counting of emission reductions like unique identifications of product and end-user locations (e.g. programme logo);</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(c) The specifications of technology/measure # including the level * and type of service, performance specifications including compliance with testing/certifications; # Specifications of the technology/measure shall include the type, capacity and other key features of the design of the systems. For example, indicating the installed capacity (in kW), size or dimensions, fixed/portable operation, and other key design features that makes the project cook stoves efficient, would be appropriate; however, only indicating that all cook stoves will have an efficiency X% would not be sufficient. * The level of service shall be defined in comparison with the baseline system being replaced.</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	

<p>(d) Conditions to check the start date of the CPA through documentary evidence;</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(e) Conditions that ensure compliance with applicability and other requirements of single or multiple methodologies applied by CPAs;</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(f) The conditions that ensure that the CPA meets the requirements pertaining to the demonstration of additionality as assessed in section B.1 above;</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(g) The PoA-specific requirements stipulated by the CME including any conditions related to undertaking local stakeholder consultations and environmental impact analysis;# # See also relevant paragraphs of "CDM project cycle procedure".</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(h) Conditions to provide an affirmation that funding from Annex I Parties, if any, does not result in a diversion of official development assistance;</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(i) Where applicable, target group (e.g. domestic/commercial/industrial, rural/urban, grid-connected/off-grid) and distribution mechanisms (e.g. direct installation) \$; \$ This is to re-test the validity of assumptions made at the PoA level. For example, in a lighting efficiency application, lighting usage hours of 3.5 hours per day would be valid if the target group is residences/households. Usage hours would be different in commercial applications and vice versa.</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details. Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/, /B03/</p>	<p>CL 10 CL 11 CL 12</p>	

<p>(j) Where applicable, the conditions related to sampling requirements for the PoA in accordance with the “Standard for sampling and surveys for CDM project activities and programme of activities”;</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details.</p> <p>Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/ /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(k) Where applicable, the conditions that ensure that every CPA meets the small- scale or microscale threshold # and remains within those thresholds throughout the crediting period of the CPA. However, for a CPA that consists of only units that qualify as ‘microscale CDM units’ as defined in the methodological tool “Demonstration of additionality of microscale project activities”, this condition is not required;</p> <p># Please refer to the latest approved version of the methodological tool “Demonstrating additionality of microscale project activities” and the latest approved version of the “General Guidelines to SSC CDM methodologies”.</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details.</p> <p>Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/ /B03/</p>	<p>CL 10 CL 11 CL 12</p>	
<p>(l) Where applicable, the requirements for the debundling check, in case the CPA belongs to small-scale or microscale project categories #. However, if a CPA solely consists of ‘microscale CDM units’, the requirement regarding debundling is not applicable.</p> <p># Please refer to the latest approved version of the methodological tool “Assessment of debundling for small-scale project activities”.</p>	<p>The demonstration of the CPA's compliance with this eligibility criterion has been successfully made by the CME. Refer to the assessment provided in Appendix-7 for further details.</p> <p>Subject to closure of CL 10, 11 and 12.</p>	<p>/01-(a)/ /B03/</p>	<p>CL 10 CL 11 CL 12</p>	

D.6. Estimation of emission reductions				
D.6.1.Explanation of methodological choices				
D.6.1.1 Is Explanation and justification for the methods and/or methodological steps, based on the applied methodology, for calculating baseline emissions applied to the CPA provided?	Yes, explanation and justification for the methods and/or methodological steps for calculating baseline emissions applied to the CPA have been provided in accordance with the applied methodology.	/01-(a)/, /B03/	OK	OK
D.6.1.2 Is Explanation and justification for the methods and/or methodological steps, based on the applied methodology, for calculating, project emissions, are applied to the CPA provided?	Not Applicable	/01-(a)/, /B03/	OK	OK
D.6.1.3 Is Explanation and justification for the methods and/or methodological steps, based on the applied methodology, for calculating, leakage emissions and emission reductions applied to the CPA provided?	Not Applicable	/01-(a)/, /B03/	OK	OK
D.6.1.4 Is Explanation and justification for the methods and/or methodological steps, based on the applied methodology, for calculating, emission reductions applied to the CPA provided?	Yes, explanation and justification for the methods and/or methodological steps, based on the applied methodology, for calculating, emission reductions applied to the CPA have been provided.	/01-(a)/, /B03/	OK	OK
D.6.1.5 Is the equation for calculating the emission reductions for CPA is in line with the methodology and the PoA?	Yes, the equation for calculating the emission reductions for CPA is in line with the methodology and the PoA.	/01-(a)/, /B03/	OK	OK
D.6.2. Data and parameters that are to be reported ex-ante				
D.6.2.1 Does the compilation of information on the data and parameters that are not monitored during the crediting period but are determined before the registration and remain fixed throughout the crediting period described and provided?	Yes, the compilation of information on the data and parameters that are not monitored during the crediting period but are determined before the registration and remain fixed throughout the crediting period has been described and provided.	/01-(a)/, /B03/	OK	OK
D.6.2.2. Is the compilation of information for data that are measured or sampled, and data that are collected from other sources (e.g. official statistics, expert judgment, proprietary data, IPCC, commercial and scientific literature, etc.) are complete and as per the methodology and applicable conditions?	Yes, the compilation of information for data that are measured or sampled, and data that are collected from other sources are complete and as per the methodology and applicable conditions	/01-(a)/, /B03/	OK	OK

<p>D.6.2.3. Are all data or parameter, complete with respect to the: “Value(s) of data applied, Choice of data, Purpose of data, Measurement methods and procedures to enable Calculation of baseline emissions; Project Emission, Leakage Emission, Emission Reduction? Pleas list all ex-ante parameters (as below) along with their values and provide an assessment on its appropriateness.</p>	<p>Yes, all data or parameters are complete with respect to the: “Value(s) of data applied, Choice of data, Purpose of data, Measurement methods and procedures to enable calculation of baseline emissions; project emissions, and emission reductions.</p>	<p>/01-(a)/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: Case 1 or Case 2 Value: Case 1 Source of value: from document “Demographic and Health Survey of Kenya (2013)”</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate. Refer to section D.5.2 for detailed assessment.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: WH Value: 4.186 KJ/L °C Source of value: default value of applied methodology AMS-III.AV (version 04)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: T_f Value: 100 °C Source of value: default value of applied methodology AMS-III.AV (version 04)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: T_i Value: 20 °C Source of value: default value of applied methodology AMS-III.AV (version 04)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: WHE Value: 2,260 KJ/L Source of value: default value of applied methodology AMS-III.AV (version 04)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>
<p>Parameter: L Value: 0.95 Source of value: default value of the methodology AMS-I.E</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	<p>/01/</p>	<p>OK</p>	<p>OK</p>

<p>Parameter: $R_{y,i}$ Value: 3.5 litres/day (for boarding schools and prisons and 2 litres/day for day schools) Source of value: from documents “Water, Sanitation, Hygiene and Habit in Prisons (2005)” and “Minimum water quantity needed for domestic uses”</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	/01/	OK	OK
<p>Parameter: $EF_{EL,j,y}$ Value: 1.3 tCO₂/MWh Source of value: Tool to calculate baseline, project, and/or leakage CO₂ emissions from electricity consumption” (Version 1)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	/01/	OK	OK
<p>Parameter: $TDL_{j,y}$ Value: 20% Source of value: Tool to calculate baseline, project, and/or leakage CO₂ emissions from electricity consumption” (Version 1)</p>	<p>The validation team reviewed the reference source and deems the value to be appropriate.</p>	/01/	OK	OK
D.6.3. Ex-ante calculation of emission reductions				
<p>D.6.3.1. Is ex ante calculation of project emissions, baseline emissions, Leakage emissions and /or Emission reduction expected during the crediting period, Provided in a transparent manner based on data or parameters (in the table in section D.6.2 above) applying all relevant equations provided in the selected methodology?</p>	<p>Yes, the ex-ante calculation of baseline emissions and Emission reduction expected during the crediting period are provided in a transparent manner based on data or parameters (in the table in section D.6.2 above) applying all relevant equations provided in the selected methodology.</p>	/01-(a)/	OK	OK
<p>D.6.3.2 If any of these estimates has been determined by a sampling approach, then are the descriptions of the sampling efforts undertaken (in accordance with the “Standard for sampling and surveys for CDM project activities and programme of activities”) Provided?</p>	<p>Yes, in cases where estimates have been determined by a sampling approach the descriptions of the sampling efforts undertaken have been provided.</p>	/01-(a)/	OK	OK
<p>D.6.3.3. Are the documentation of each equation applied, represented in a manner that enables the reader to reproduce the calculation?</p>	<p>Yes, the documentation of each equation applied is represented in a manner that enables the reader to reproduce the calculation.</p>	/01-(a)/	OK	OK
<p>D.6.3.4. Are the relevant, additional background information and/or data (including relevant electronic) spreadsheet provided in Appendix 4?</p>	<p>Not Applicable</p>	/01-(a)/	OK	OK
<p>D.6.3.5 Is a sample calculation for each equation used, substituting the values used in the equations Provided?</p>	<p>Yes, a sample calculation for each equation used, substituting the values used in the equations has been provided.</p>	/01-(a)/	OK	OK

D.6.4. Summary of the ex-ante estimates of emission reductions				
Is the summary of all ex-ante estimation of Baseline Emission, Project Emission, Leakage Emission and Emission Reduction provided in accordance with given table?	Yes, the summary of all ex-ante estimation of Baseline Emission and Emission Reduction is provided in accordance with given table.	/01-(a)/	OK	OK
D.7. Application of the monitoring methodology and description of the monitoring plan				
D.7.1. Data and parameters to be monitored				
D.7.1.1. Is the specific information related to procedures for measurement, monitoring, recording, collected, archiving of data and parameters that is required for estimation and calculation of Emission Reduction provided?	Yes, the specific information related to procedures for measurement, monitoring, recording, collected, archiving of data and parameters that is required for estimation and calculation of Emission Reduction have been provided. However, CL 06, CL 07 and CAR 02 are raised.	/01-(a)/	CL 06 CL 07 CAR 02	
D.7.1.2 Are all data or parameter, complete with respect to the: "Value(s) of data applied, Choice of data, Purpose of data, Measurement methods and procedures, QA/QC procedures to enable Calculation of baseline emissions; Project Emission, Leakage Emission, Emission Reduction ?	Yes, all data or parameter are complete with respect to the: "Value(s) of data applied, Choice of data, Purpose of data, Measurement methods and procedures, QA/QC procedures to enable Calculation of baseline emissions; Project Emission, and Emission Reduction.	/01-(a)/	OK	OK
D.7.1.3 Are the relevant, additional background information on data and parameters to be monitored is provided in Appendix 5?	Not Applicable.	/01-(a)/	OK	OK
D.7.1.4 Is the list of parameters presented in section B.7.1 (Part II of PoA-DD) considered to be complete with regards to the requirements of the applied methodology?				

Parameter: QPW _y	Monitoring Checklist	Yes / No / NA	/01/	OK	OK
	Title and description in line with methodology?	Yes			
	Data unit correctly stated?	Yes			
	Source clearly referenced?	Yes			
	Correct value provided for estimation?	Yes			
	Has this value been verified?	Yes			
	Measurement method and procedure correctly described?	Yes			
	Purpose of data correctly described	Yes			
	Additional comments (if any)	NA			
	Parameter: T _{y,i}	Monitoring Checklist			
Title and description in line with methodology?		Yes			
Data unit correctly stated?		Yes			
Source clearly referenced?		Yes			
Correct value provided for estimation?		Yes			
Has this value been verified?		Yes			
Measurement method and procedure correctly described?		Yes			
Purpose of data correctly described		Yes			
Additional comments (if any)		NA			

Parameter: $N_{y,i}$	Monitoring Checklist	Yes / No / NA	/01/	OK	OK
	Title and description in line with methodology?	Yes			
	Data unit correctly stated?	Yes			
	Source clearly referenced?	Yes			
	Correct value provided for estimation?	Yes			
	Has this value been verified?	Yes			
	Measurement method and procedure correctly described?	Yes			
	Purpose of data correctly described	Yes			
	Additional comments (if any)	NA			
	Parameter: Water Quality _i	Monitoring Checklist			
Title and description in line with methodology?		Yes			
Data unit correctly stated?		Yes			
Source clearly referenced?		Yes			
Correct value provided for estimation?		Yes			
Has this value been verified?		Yes			
Measurement method and procedure correctly described?		Yes			
Purpose of data correctly described		Yes			
Additional comments (if any)		NA			

Parameter: Operational Units;	Monitoring Checklist	Yes / No / NA	/01/	OK	OK
	Title and description in line with methodology?	Yes			
	Data unit correctly stated?	Yes			
	Source clearly referenced?	Yes			
	Correct value provided for estimation?	Yes			
	Has this value been verified?	Yes			
	Measurement method and procedure correctly described?	Yes			
	Purpose of data correctly described	Yes			
	Additional comments (if any)	NA			
	Parameter: f _{NRB,y}	Monitoring Checklist			
Title and description in line with methodology?		Yes			
Data unit correctly stated?		Yes			
Source clearly referenced?		Yes			
Correct value provided for estimation?		Yes			
Has this value been verified?		Yes			
Measurement method and procedure correctly described?		Yes			
Purpose of data correctly described		Yes			
Additional comments (if any)		NA			

Parameter: η_{wb}	Monitoring Checklist	Yes / No / NA	/01/	OK	OK
	Title and description in line with methodology?	Yes			
	Data unit correctly stated?	Yes			
	Source clearly referenced?	Yes			
	Correct value provided for estimation?	Yes			
	Has this value been verified?	Yes			
	Measurement method and procedure correctly described?	Yes			
	Purpose of data correctly described	Yes			
	Additional comments (if any)	NA			
	Parameter: $EF_{\text{projected_fossilfuel}}$	Monitoring Checklist			
Title and description in line with methodology?		Yes			
Data unit correctly stated?		Yes			
Source clearly referenced?		Yes			
Correct value provided for estimation?		Yes			
Has this value been verified?		Yes			
Measurement method and procedure correctly described?		Yes			
Purpose of data correctly described		Yes			
Additional comments (if any)		NA			

Parameter: Existence of public distribution network of safe drinking water	Monitoring Checklist	Yes / No / NA	/01/	OK	OK
	Title and description in line with methodology?	Yes			
	Data unit correctly stated?	Yes			
	Source clearly referenced?	Yes			
	Correct value provided for estimation?	Yes			
	Has this value been verified?	Yes			
	Measurement method and procedure correctly described?	Yes			
	Purpose of data correctly described	Yes			
	Additional comments (if any)	NA			
D.7.2. Description of the monitoring plan					
D.7.2.1 Is the description of the monitoring plan for the CPA provided in accordance with the approved monitoring methodology (ies) and PoA?	Yes, the description of the monitoring plan for the CPA is provided in accordance with the approved monitoring methodology and PoA.	/01-(a)/, /B03/	OK	OK	
D.7.2.2 In case the data and parameters to be monitored determined by sampling approach, are the description of sampling plan provided in accordance with the recommended outline for a sampling plan in the "Standard for sampling and surveys for CDM project activities and programme of activities"?	Yes, for the data and parameters to be monitored determined by sampling approach, the description of sampling plan is provided in accordance with the recommended outline for a sampling plan in the "Standard for sampling and surveys for CDM project activities and programme of activities.	/01-(a)/	OK	OK	
D.7.3 Consistency check and font size	Yes all the information is consistent and font size is accurate.	/01-(a)/	OK	OK	
D.7.3.1 Does the following key terms and their description is consistent within the various sections of the PoA-DD?					
P.S.: Additional rows may be added if required.					

CDM-CPA-VAL-FORM

D.7.3.1.1. CME and Participants of PoA	Yes, the description of CME and Participants of PoA is consistent within the various sections of the PoA-DD.	/01-(a)/	OK	OK
D.7.3.1.2. Description/ Technology or measures to be employed by the CPA	Yes, the description of Technology or measures to be employed by the CPA is consistent within the various sections of the PoA-DD.	/01-(a)/	OK	OK
D.7.3.1.3. Target group (end users type)	Yes, the Target group (end user type) listed are consistent within the various sections of the PoA-DD.	/01-(a)/	OK	OK
D.7.3.1.4. Eligibility criteria for inclusion of a CPA	Yes, the Eligibility criteria for inclusion of a CPA is consistent within the various sections of the PoA-DD.	/01-(a)/	OK	OK
D.7.3.2. Is the font size in all the respective documents is as per the requirements of Instructions for filling out the programme design document form for small-scale/large scale CDM programmes of activities?	Yes, the font size in all the respective documents is as per the requirements of Instructions for filling out the programme design document form for small-scale/large scale CDM programmes of activities	/01-(a)/	OK	OK

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
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