




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

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

**BASIC INFORMATION**

<b>Title and UNFCCC reference number of the programme of activities (PoA)</b>	<b>PoA Title:</b> International Water Purification Programme <b>UNFCCC Reference Number:</b> 5962
<b>Number and duration of the next period</b>	<b>Number:</b> Second renewal period <b>Duration:</b> 16/11/2019 – 15/11/2026 (first and last days included)
<b>Version number of the validation report</b>	01.1
<b>Completion date of the validation report</b>	25/06/2019
<b>Version number of PoA-DD to which this report applies</b>	02.1
<b>Coordinating/managing entity (CME)</b>	Pure Water Ltd.
<b>Host Parties</b>	1. Ethiopia 2. El Salvador 3. Chile 4. Egypt 5. Kenya 6. Gambia 7. Madagascar 8. Nicaragua 9. Mexico 10. South Africa 11. Uganda 12. Viet Nam 13. Iran 14. Cambodia 15. Malawi
<b>Applied methodologies and standardized baselines</b>	<b>Applied methodology:</b> AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - version 05.0 <b>Standardized baseline:</b> N/A
<b>Mandatory sectoral scopes</b>	Sectoral Scope 03 : Energy demand
<b>Conditional sectoral scopes, if applicable</b>	N/A

<b>Estimated amount of annual average GHG emission reductions or GHG removals by sinks in the next programme of activities period</b>	Not Applicable <sup>1</sup>
<b>Name and UNFCCC reference number of the DOE</b>	Name: KBS Certification Services Pvt. Ltd. UNFCCC reference number: E-0051
<b>Name, position and signature of the approver of the validation report</b>	 Kaushal Goyal Managing Director KBS Certification Services Pvt. Ltd.

<sup>1</sup> This is not applicable since the estimated annual average of GHG emission reductions would be defined at specific CPA level.

**SECTION A. Executive summary**

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KBS Certification Services Pvt. Ltd. has been contracted by 'Pure Water Ltd.' (CME) to perform a validation of the CDM registered programme of activity 'International Water Purification Programme' (UNFCCC Ref #5962) for renewal of the PoA period.

**Scope of the validation:**

The scope of the validation is defined as an independent and objective review of the revised PoA-DD, the baseline, monitoring plan and other relevant documents. The information in these documents is reviewed against the CDM Validation and Verification Standard for PoA (version 02) 10/, Project Cycle Procedure for PoA (version 02) /12/ and Project Standard for PoA (version 02) /11/, Kyoto Protocol requirements and UNFCCC rules.

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

**Purpose, general description and location:**

The purpose of the PoA is to use carbon finance for the introduction of low greenhouse gas emitting water purification systems to provide clean drinking water to low income households. The PoA serves as an open platform for various water treatment technologies which are eligible under the methodology AMS-III.AV, version 05 /5/.

This PoA seeks to further the access of households and communities to clean and safe drinking water, by promoting low greenhouse gas emitting water purification technologies. This PoA is thus primarily designed for the long-term improvement of the living conditions of local people. The targeted users of such technologies will be households and/or communities.

The PoA reduces the use and demand for fossil fuels and non-renewable biomass that would have been used to boil water as a mean of water purification in the absence of the Programme of Activities. This directly leads to reduced greenhouse gas emissions.

The host parties under the PoA are as follows:

1. Ethiopia, 2. El Salvador, 3. Chile, 4. Egypt, 5. Kenya, 6. Gambia, 7. Madagascar, 8. Nicaragua, 9. Mexico, 10. South Africa, 11. Uganda, 12. Viet Nam, 13. Iran, 14. Cambodia, 15. Malawi

**Validation process:**

KBS follows a rule based validation approach, wherein, as a first step, the contract review is undertaken as per latest version of CDM Accreditation Standard. Subsequently, after the contract is signed, a desk review of the programme of activity documentation is undertaken. The validation protocol is filled by the validation team that is based on standard auditing practices and version 02.0 of CDM VVS for PoA, to capture the assessment of applicable CDM requirements viz., version 02.0 of CDM Project Standard for PoA, applied methodology/ies, applied standardized baseline and/or tools and recent decisions. The validation protocol provides transparent means to record the observations and compliances by the validation team members and the nonconformities, if any. The validation protocol is an internal document, and is available on request.

Following are the major milestones for the Validation under consideration.

Validation contract	04/03/2019
Draft Validation Report	24/04/2019
Final Validation Report	25/06/2019

**Conclusion:**

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

☒ The CDM programme of activity will be recommended to the CDM Executive Board with a request for renewal of the PoA period.

☐ The CDM programme of activity is not recommended for renewal of the PoA period

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

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader / Technical Expert (TA 3.1)	IR	Sharma	Chetan Swaroop	Central Office	X		X	X

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

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical Reviewer (TA 3.1)	IR	Badaya	Rohit	Central Office
2.	Manager -Technical & Certification	IR	Badaya	Rohit	Central Office
3.	Authorizer	IR	Goyal	Kaushal	Central Office

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

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The validation is performed primarily as a document review of the available PoA-DD version 01 dated 18/04/2019 /1/ and the intermediate versions up to final version 02.1 dated 20/06/2019 /2/. The report is based on the assessment of the PoA-DD, application of standard auditing techniques including but not limited to desk review, follow up actions (e.g., electronic (telephone or e-mail) interviews) and also the review of the applicable approved methodological and relevant tools, guidance and CDM decisions.

The cross checks between information provided in the PoA-DD and information from sources other than those used, if available, the validation team's sectoral or local expertise and, if necessary, independent background investigations.

All the documents used for arriving validation conclusion are listed in Appendix 03 and referenced accordingly in validation report.

## C.2. On-site inspection

A complete desk review of the submitted PoA-DD (version 01, dated 18/04/2019) /1/ and supportive evidences have been checked by the Validation team.

In addition, audit team has conducted calls/interviews (telephonic) with CME on different topics as mentioned under section C.3 of this report.

Based on the calls/interviews, PoA-DD review, as well as the review of UNFCCC procedures and guidelines, KBS Validation team has proceeded to skip the site visit. As per para 184 of CDM validation and verification standard for programmes of activities version 02 /10/, Validation team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of validation.

- By review of PoA-DD;
- By taking follow up actions by conducted interview with CME, to gather information about knowledge of project design, current situation via telephonic call and e-mail communication. Cross-checked evaluation under the scope of all information and references provided in PoA-DD. Details of interviewees, topics covered and additional information presented in the below section “C.3 - Interviews”.

Validation team has also checked the site visit requirements mentioned in the VVS for PoA Version 02 /10/ and concluded that no-site visit is required. The justification for the site visit requirements of VVS PoA Version 02 /10/ have been mentioned below.

VVS PoA Version 02 Requirements	Validation team Justification
<p><b>Para 29 (b)</b> (b) Follow-up actions (e.g. on-site inspection and telephone or e-mail interviews), including:</p> <p>(i) Interviews with relevant stakeholders in the host country, such as personnel with knowledge of the PoA design and implementation;</p> <p>(ii) Cross checks between the information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted;</p>	<p>Validation team has done the follow-up actions by:</p> <ol style="list-style-type: none"> <li>1. telephonic call and e-mail conversations of CME.</li> <li>2. Cross checks between information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted.</li> </ol>
<p><b>Para 183</b> It is mandatory for the DOE to conduct an on-site inspection at validation for the proposed CPA if:</p> <p>(a) Its estimated annual average of GHG emission reductions or net anthropogenic GHG removals is more than 100,000 t CO<sub>2</sub> eq; or</p> <p>(b) There is pre-project information that is relevant to the requirements for inclusion of the CPA and may not be traceable after the inclusion.</p>	<p>The validation team has not considered the site visit as mandatory due to the following reasons which are in line with the VVS PoA Version 02 /10/ Requirements</p> <p>For the PoA to be renewed, this is not applicable as the estimated annual average of GHG emission reductions would be defined at specific CPA level.</p> <p>Also there is no pre-project information that is relevant to the requirements for renewal of the PoA and may not be traceable after the renewal.</p> <p>Hence for the proposed PoA, it is not mandatory to conduct the site visit.</p>

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

### C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Garg	Rohit	Carbon Consultant, South Pole Carbon Asset Management Ltd.	22/04/2019	1. Eligibility criteria for inclusion of CPAs in the PoA 2. Baseline 3. Estimated emission reductions 4. Monitoring plan 5. Methodology requirements 6. Issues in the PoA-DD 7. Roles and responsibilities 8. Monitoring requirements 9. Monitoring procedure 10. Data collection	Chetan Swaroop Sharma (Team Leader / Technical Expert (TA 3.1)) (Telephonic and Email interviews)

### C.4. Sampling approach

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No Sampling approach was used by the validation team.

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

Area of validation findings	No. of CL	No. of CAR	No. of FAR
<b>Programme of activities</b>			
Compliance with PoA-DD form	-	CAR 01	-
Programme of activities period	-	-	-
Coordinating/managing entity and the project participants	-	-	-
Post-registration changes	-	CAR 02	-
<b>Generic component project activities</b>			
Application and selection of methodologies and standardized baselines	CL 02	-	-
Validity of original baseline or its update	CL 01	-	-
Estimated emission reductions or net anthropogenic removals	-	-	-
Validity of monitoring plan	-	-	-
Eligibility criteria for inclusion of CPAs	-	-	-
Others (please specify)	-	-	-
<b>Total</b>	<b>02</b>	<b>02</b>	<b>00</b>

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

<b>Means of validation</b>	Validation team checked the updated PoA-DD /06/ with latest version of PoA-DD template available on the UNFCCC website (i.e., version 09)/6/ and “Instructions for completing this form” mentioned as attachment to PoA-DD form (version 09)/6/. All the sections of the PoA-DD are checked for the compliance with the “Instructions for completing this form” mentioned as attachment to the PoA-DD form.
<b>Findings</b>	CAR-01 was raised during the validation process which was successfully closed. For more information, please refer Appendix-4 of this report.
<b>Conclusion</b>	Validation team confirm: 1. The updated PoA-DD /02/ is completed using the valid version of the applicable PoA-DD form /06/ in compliance with para 390 (a) (i) of VVS for PoA Version 02. 2. All the information has been correctly transferred from registered PoA-DD (Version 07, dated 13/04/2015) /13/ to the current PoA-DD (Version 02.1, dated 20/06/2019) /02/ which is filled in the latest PoA-DD form available in UNFCCC website. Validation team confirms that the transfer of information from the old form to the new form is correct and materially the same as the information in the registered PoA-DD /13/ in compliance with para 390 (a) (ii) of VVS for PoA Version 02 /10/. 3. PoA-DD is in compliance with the instruction provided in the template.

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

<b>Means of validation</b>	As verified from the PoA-DD /2/, the start date of 2 <sup>nd</sup> PoA period proposed for this PoA is 16/11/2019 with the length of 7 years i.e. from 16/11/2019 to 15/11/2026..
<b>Findings</b>	No findings.
<b>Conclusion</b>	The start date of 2 <sup>nd</sup> PoA period is next date of the end date of 1 <sup>st</sup> crediting period and hence in compliance with para 390 (a) (v) of VVS for PoA Version 02 /10/.

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

<b>Means of validation</b>	<p>Validation team has checked the names of the coordinating/managing entity and the project participants in the updated PoA-DD with the registered PoA-DD /13/ and latest version of the MoC statement /3/.</p> <p>As per the updated PoA-DD/02/, the coordinating/managing entity, project participants and parties involved in the programme of activity are:</p>		
	<b>Parties involved</b>	<b>Project participants</b>	<b>Indicate if the Party involved wishes to be considered as project participant (Yes/No)</b>
	Switzerland	Swiss Carbon Assets Ltd.(Private Entity)	No
	Switzerland	Pure Water Ltd.(Private Entity)	No
	Switzerland	Climate Cent Foundation (Private Entity)	No
	Cambodia (Host Party)	Pure Water Ltd. (Private Entity)	No
	Chile (Host Party)	Pure Water Ltd. (Private Entity)	No
	Egypt (Host Party)	Pure Water Ltd. (Private Entity)	No

	El Salvador (Host Party)	Pure Water Ltd. (Private Entity)	No
	Ethiopia (Host Party)	Pure Water Ltd. (Private Entity)	No
	Gambia (Host Party)	Pure Water Ltd. (Private Entity)	No
	Iran (Host Party)	Pure Water Ltd. (Private Entity)	No
	Kenya (Host Party)	Pure Water Ltd. (Private Entity)	No
	Madagascar (Host Party)	Pure Water Ltd. (Private Entity)	No
	Malawi (Host Party)	Pure Water Ltd. (Private Entity)	No
	Mexico (Host Party)	Pure Water Ltd. (Private Entity)	No
	Nicaragua (Host Party)	Pure Water Ltd. (Private Entity)	No
	South Africa (Host Party)	Pure Water Ltd. (Private Entity)	No
	Uganda (Host Party)	Pure Water Ltd. (Private Entity)	No
	Vietnam (Host Party)	Pure Water Ltd. (Private Entity)	No
<b>Findings</b>	Nil		
<b>Conclusion</b>	<p>The Validation team confirm the following:  The updated PDD has one additional name of the PP (Climate Cent Foundation) which was not available in the registered PoA-DD. The PP (Climate Cent Foundation) was added through the CDM-MOC-FORM: Annex 2 dated 25/05/2016. The same has been checked and confirmed through the details as available on the UNFCCC project webpage as per which the same is valid as of 26/05/2016 and hence found correct.</p> <p>Hence the names of the coordinating/managing entity and the project participants in the updated PoA-DD /02/ are consistent with the names of the coordinating/managing entity and the project participants in the latest version of the MoC statement /03/ in compliance with para 390 (a) (vi) of VVS for PoA Version 02 /02/.</p>		

#### D.1.4. Post-registration changes

Type of post-registration changes (PRCs)	Confirmation (Y/N)	Validation report for PRCs	
		Version	Completion date
Corrections	Y	01	25/06/2019
Inclusion of a monitoring plan	N	N/A	N/A
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents	Y	01	25/06/2019
Changes to the programme design	Y	01	25/06/2019
Addition of CPA inclusion template	N	N/A	N/A
Changes specific to afforestation and reforestation activities	N	N/A	N/A
Change of coordinating/managing entity	N	N/A	N/A



## D.2. Generic component project activities

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

Means of validation	At the time of registration, the CME applied the methodology – “AMS-III.AV.: Low greenhouse gas emitting water purification systems - version 3.0”															
	In the revised PoA-DD/02/, valid version of the of this methodology has been applied - "AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - version 5.0 /5/															
	<b>Validity:</b> Valid from 24 Jul 15 to 30 Aug 18 Requests for registration can be submitted until 27 Apr 2019 23:59:59 GMT															
	The applicability of the methodology for is assessed below for all the 7 generic CPA of PoA-DD:															
	<table><tr><th>S. No.</th><th>AMS-III.AV Version 05 requirements</th><th>CME Justification</th><th>Validation Remarks</th></tr><tr><td>1</td><td>This methodology comprises introduction of low greenhouse gas emitting water purification systems to provide safe drinking water (SDW).</td><td>Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The installation/distribution will be taken up by the implementing entities. We will ensure that the technology used will be low greenhouse gas emitting and will provide safe drinking water.</td><td><p>The justification provided by the CME seems acceptable.</p><p>Further there is no change in the applicability criteria as compare to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p><p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.</p></td></tr><tr><td>2</td><td>Water purification technologies that involve point-of use (POU) or point-of-entry (POE) <sup>2</sup> treatment systems for residential or institutional applications such as systems installed at a school or a community centre are included. The examples include, but are not limited to, water filters (e.g. membrane, activated carbon, ceramic filters), solar energy powered ultraviolet (UV)</td><td>Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The involved technology is mainly water filters (e.g. membrane, activated carbon, ceramic filters).</td><td><p>The justification provided by the CME seems acceptable.</p><p>Further there is no change in the applicability criteria as compared to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p><p>Hence the updated generic</p></td></tr></table>	S. No.	AMS-III.AV Version 05 requirements	CME Justification	Validation Remarks	1	This methodology comprises introduction of low greenhouse gas emitting water purification systems to provide safe drinking water (SDW).	Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The installation/distribution will be taken up by the implementing entities. We will ensure that the technology used will be low greenhouse gas emitting and will provide safe drinking water.	<p>The justification provided by the CME seems acceptable.</p> <p>Further there is no change in the applicability criteria as compare to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p> <p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.</p>	2	Water purification technologies that involve point-of use (POU) or point-of-entry (POE) <sup>2</sup> treatment systems for residential or institutional applications such as systems installed at a school or a community centre are included. The examples include, but are not limited to, water filters (e.g. membrane, activated carbon, ceramic filters), solar energy powered ultraviolet (UV)	Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The involved technology is mainly water filters (e.g. membrane, activated carbon, ceramic filters).	<p>The justification provided by the CME seems acceptable.</p> <p>Further there is no change in the applicability criteria as compared to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p> <p>Hence the updated generic</p>			
S. No.	AMS-III.AV Version 05 requirements	CME Justification	Validation Remarks													
1	This methodology comprises introduction of low greenhouse gas emitting water purification systems to provide safe drinking water (SDW).	Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The installation/distribution will be taken up by the implementing entities. We will ensure that the technology used will be low greenhouse gas emitting and will provide safe drinking water.	<p>The justification provided by the CME seems acceptable.</p> <p>Further there is no change in the applicability criteria as compare to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p> <p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.</p>													
2	Water purification technologies that involve point-of use (POU) or point-of-entry (POE) <sup>2</sup> treatment systems for residential or institutional applications such as systems installed at a school or a community centre are included. The examples include, but are not limited to, water filters (e.g. membrane, activated carbon, ceramic filters), solar energy powered ultraviolet (UV)	Under this CPA, low greenhouse gas emitting water purification systems will be installed for residential households, schools or community centres. The involved technology is mainly water filters (e.g. membrane, activated carbon, ceramic filters).	<p>The justification provided by the CME seems acceptable.</p> <p>Further there is no change in the applicability criteria as compared to the registered PoA-DD (Version 7, dated 13/04/2015)/15/.</p> <p>Hence the updated generic</p>													

<sup>2</sup> Please refer to the definition of Point of Use (POU)/ Point of entry (POE) in section 4.<sup>3</sup> According to “A toolkit for monitoring and evaluating household water treatment and safe storage programmes” (WHO – 2012) – Annex A - Summary of HWTS methods, the use of these technologies can provide protection against recontamination.

		disinfection devices, solar disinfection techniques, photocatalytic disinfection equipment, pasteurization appliances, chemical disinfection methods (e.g. chlorination), combined treatment approaches (e.g. flocculation plus disinfection).		CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.
	3	The methodology is also applicable to water kiosks that treat water using one or more of the following technologies: chlorination, combined flocculant/disinfection powders and solar disinfection. <sup>3</sup> In case the water kiosk is using solar disinfection, project proponents need to implement measures to prevent recontamination (e.g. disinfecting containers, sealing containers and hygiene training).	<p><b>For Generic CPA 01:</b></p> <p>Under this CPA, no water kiosks will get implemented, hence this qualification criteria is not applicable.</p> <p><b>For Generic CPA 02 to CPA 07:</b></p> <p>Under this CPA, the applicable technologies of low greenhouse gas emitting water purification systems will be provided.</p> <p>In case the water purification appliances/kiosks are using solar disinfection using ultraviolet, project proponents will implement measures to prevent recontamination (e.g. disinfecting containers, sealing containers and hygiene training).</p>	<p>The justification provided by the CME seems acceptable.</p> <p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.</p>
	4	Prior to the implementation of the project activity, a public distribution network supplying safe drinking water (SDW) to the project boundary does not exist.	Prior to the implementation of the SSC-CPA of this PoA, there is no public distribution network	<p>The justification provided by the CME seems acceptable.</p> <p>Further this will be monitored by the monitoring parameter <b>"Installation of a SDW public distribution network"</b> mentioned under section I.7.1 of the updated generic CPA.</p>

<sup>3</sup> According to "A toolkit for monitoring and evaluating household water treatment and safe storage programmes" (WHO – 2012) – Annex A - Summary of HWTS methods, the use of these technologies can provide protection against recontamination.

				Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.
	5	It shall be demonstrated based on laboratory testing <sup>4</sup> or official notifications (for example notifications from the national authority on health) that the application of the project technology/equipment achieves compliance either with: (i) the interim performance target as per "Evaluating household water treatment options: Health based targets and microbiological performance specifications" (WHO, 2011); or (ii) an applicable national standard or guideline;	It will 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 used in each CPA of the PoA achieves compliance either with: (i) the "interim" performance target as per "Evaluating household water treatment options: Health based targets and microbiological performance specifications" (WHO, 2011); or (ii) an applicable national standard or guideline.	<p>The justification provided by the CME seems acceptable. Further there is no change in the applicability criteria as compare to the registered PoA-DD (Version 7, dated 13/04/2015) /15/.</p> <p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.</p>
	6	In cases where the life span <sup>5</sup> 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	In cases where the life span of the water treatment technologies is shorter than the crediting period of the project activity, there will be documented measures in place to ensure that end users have access to replacement purification systems of comparable quality.	<p>The justification provided by the CME seems acceptable. Further there is no change in the applicability criteria as compare to the registered PoA-DD (Version 7, dated 13/04/2015) /15/.</p> <p>Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied</p>

<sup>4</sup> The testing should be undertaken under conditions that are representative of the operation conditions of the project site(s) including feedwater.

<sup>5</sup> The rated average life of each system type shall be known ex ante using manufacturer specifications and documented in the PDD/PoA-DD.

			methodology i.e. AMS-III.AV.: Version 5.0.
7	It should be demonstrated that the maintenance of the project appliances is implemented in accordance with manufacturer's specifications/ recommendations, including any provisions in regards to replacement or cleansing of the involved filters.	It will be demonstrated that the maintenance of the project appliances will be done in accordance with manufacturer's specifications/ recommendations, including any provisions in regard to replacement or cleansing of the involved filters.	The justification provided by the CME seems acceptable.  Hence the updated generic CPA part of the POA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.
8	Applicability of this methodology is foreseen in the following type of situations. If the renewable crediting period is chosen, these conditions shall be reassessed at the beginning of each crediting period: (a) Case 1: Project activities implemented in rural or urban areas <sup>6</sup> 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 options below: (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 for this purpose. Definition of improved and unimproved drinking water source shall be as per the information provided by JMP; (ii) Using official data such as publicly available statistical data from a government agency or an independently	The conditions will be reassessed at the beginning of each crediting period: (a) Case 1: Project activities implemented in rural or urban areas of countries with proportion of rural or urban population using an improved drinking-water source equal to or less than 60% confirmed by one of the three options below: (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 (< <a href="http://www.wssinfo.org/dataestimates/table/">http://www.wssinfo.org/dataestimates/table/</a> >) for this purpose. Definition of improved and unimproved drinking water source shall be as per the information provided by JMP; (ii) Using official data such as publicly available statistical data from a government agency or an independently commissioned study by an international organization or an university; (iii) Using survey methods (use 90/10 confidence/precision for sampling);	The justification provided by the CME seems acceptable.  Hence the updated generic CPA part of the POA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.

<sup>6</sup> As per the WHO/UNICEF Joint Monitoring Programme for water supply and sanitation

		commissioned study by an international organization or an university; (iii) Using survey methods (use 90/10 confidence/precision for sampling); (b) Case 2: Project activities implemented in areas not included in Case 1.	(b) Case 2: Project activities implemented in areas not included in Case 1.	
	9	Leakage is estimated and accounted for as per the relevant provisions of AMS-I.E Version 08.0	Leakage is calculated by applying a net to gross adjustment factor of 0.95 to account for leakages.	The justification provided by the CME seems acceptable.  Hence the updated generic CPA part of the PoA-DD is in compliance with valid version of the applied methodology i.e. AMS-III.AV.: Version 5.0.
<b>Findings</b>	CL-02 was raised during the validation process which was successfully closed. For more information, please refer Appendix-4 of this report.			
<b>Conclusion</b>	The PoA/Generic CPA part of the PoA-DD, fulfills all relevant criteria of the applied methodology "AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - Version 5.0" /5/. CME has used the valid version of the applied methodology i.e. "AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - Version 5.0" /5/. The requests for registration can be submitted until 27 Apr 2019 23:59:59 GMT. However, since this is an international PoA the applicability criteria are better demonstrated at the CPA level where the actual project implementation or the distribution of water purification devices takes place. Hence the selected version of the applied methodology is appropriate for this PoA/Generic CPA part of the PoA-DD.			

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

<b>Means of validation</b>	<p>In according to para 382 of VVS for PoA version 02.0, the assessment team reviewed the updated PoA-DD version 02 and evaluated whether CME assess and incorporate the impact of new national and/or sectoral policies and circumstances existing at the time of requesting renewal of PoA period on the modalities to estimate baseline GHG emissions for the subsequent crediting period of each corresponding CPA, without reassessing the baseline scenario.</p> <p>Whether data and parameters used for determining the original baseline, that were determined ex ante and not monitored during the PoA period, are no longer valid, the assessment team identified whether coordinating/managing entity update such data and parameters in accordance with the "Methodological tool: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" version 03.0.1 /17/.</p> <p>The steps from the Methodological Tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" Version 03.0.1 /17/ as per CDM VVS for PoA version 02.0.0 were applied to assess the continued validity of the baseline and/or to update the baseline at the renewal of a crediting period:</p>
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**Step 1: Assess the validity of the current baseline for the next crediting period**

The CDM Project Standard for PoA, version 2.0 /11/ requires assessing the impact of new relevant national and/or sectoral policies and circumstances on the baseline. The validity of the current baseline is assessed in the following sub-steps:

**Step 1.1: Assess compliance of the current baseline with relevant mandatory national and/or sectoral policies**

As per AMS-III.AV., version 05.0 §§ 12, *“For a simplified and standardized approach it is assumed that fossil fuel and/or nonrenewable biomass (NRB) is used to boil water as means of water purification in the absence of the project activity. The emissions are calculated based on the energy demand for boiling water, and in case of displacement of NRB the baseline emissions are corrected for the fraction of the biomass that can be demonstrated to be nonrenewable. Only purified water consumed for drinking purposes can be used in the baseline calculation.”*

Therefore the baseline scenario is the use of fossil fuel and/or NRB to boil water and only purified water consumed for drinking purposes shall be used in the baseline calculation.

As per the registered PoA-DD /15/, “Sample surveys or reference literature will be used to determine the type of stoves and fuel used. The weighted average by total fuel consumption shall be used if more than one type of stove/fuel is used in the project area.

CPA-DD shall present the key parameters for the baseline determination in Part II, section B.6.3, which shall be validated by the DOE during inclusion process.”

Also in the case of displacement NRB, the baseline emissions are corrected for the fraction of the biomass that can be demonstrated to be non-renewable. There is a Ex-ante parameter ( $f_i$ ) for each generic part of the PoA, which would be calculated at the time of CPA crediting renew and CPA inclusion.

Hence, the baseline for each generic CPA remains the same as that in the registered PoA-DD. Since this is an international PoA, the baseline demonstration will be done at the CPA level at the time of CPA crediting period renew and the CPA inclusion in compliance with the relevant mandatory national and/or sectoral policies. The information presented in the generic part of CPA of PoA-DD has been validated by an initial document review and further confirmation has been made based on the interview.

Hence the same baseline as identified in the previous crediting period is still valid for the for the generic CPA part of PoA. There are no new relevant national and/or sectoral policies and circumstances ever since the PoA was registered that have an impact on the baseline.

Thus, the baseline identified during the validation is still compliance with the relevant mandatory national and/or sectoral policies. Hence, no need to update the current baseline for the next crediting period.

**Step 1.2: Assess the impact of circumstances**

There are not new national/sectoral policies or circumstances that could affect the baseline scenario during the PoA renewal period. The validation team confirmed that the current baseline identified in the registered PoA-DD is still valid for the second PoA renewal period.

The baseline for each generic CPA remains the same as that in the registered PoA-DD. Since this is an international PoA, the baseline demonstration will be done at the CPA level at the time of CPA crediting period renew and the CPA inclusion in compliance with the relevant mandatory national and/or sectoral policies. The information presented in the generic part of CPA of PoA-DD has been validated by an initial document review and further confirmation has been made based on the

interview.

Since, there is no change in the circumstance and hence the circumstance will not have any impact on the current baseline emission. Hence, no need to update the current baseline for the next renewal period.

**Step 1.3: Assess whether the continuation of the use of current baseline equipment(s) or an investment is the most likely scenario for the crediting period for which renewal is requested**

The baseline for each generic CPA remains the same as that in the registered PoA-DD. Since this is an international PoA, the baseline demonstration will be done at the CPA level at the time of CPA crediting period renew and the CPA inclusion in compliance with the relevant mandatory national and/or sectoral policies. The information presented in the generic part of CPA of PoA-DD has been validated by an initial document review and further confirmation has been made based on the interview.

Hence, no need to update the current baseline for the next renewal period.

**Step 1.4: Assessment of the validity of the data and parameters**

During the 1<sup>st</sup> PoA period, PoA was registered applying small scale methodology 'AMS-II.AV. ver. 03'. During 2<sup>nd</sup> Renewal period, PoA has applied valid version i.e. 05.0 of the same methodology AMS-III.AV.

Validation team confirms that data and parameters that were only determined at the start of the crediting period and not monitored during the crediting period are still valid except the ex-ante parameter  $EF_{\text{projected\_fossilfuel},i}$  which is updated in accordance with applied methodology i.e. AMS-III.AV Version 05.0 and the linked methodology AMS-I.E. Version 08.0.

Ex-ante parameter	During the 1 <sup>st</sup> PoA period	During the 2 <sup>nd</sup> PoA period
$EF_{\text{projected\_fossilfuel},i}$  (Unit: tCO <sub>2</sub> /TJ, Description: Emission factor of the fuel(s) type i substituted)	81.6 tCO <sub>2</sub> /TJ	63.7 tCO <sub>2</sub> /TJ

Since the value of the ex-ante parameter has been reduced, hence the same is accepted to the validation team.

**Step 2: Update the current baseline and the data and parameters**

Step 1.4 shows that ex-ante parameter needs to be updated.

**Step 2.1: Update the current baseline**

The baseline remains unchanged as discussed above.

**Step 2.2: Update the data and parameters**

The ex-ante parameter  $EF_{\text{projected\_fossilfuel},i}$  is updated in accordance with applied methodology i.e. AMS-III.AV Version 05.0 and the linked methodology AMS-I.E. Version 08.0.

Ex-ante parameter	During the 1 <sup>st</sup> PoA period	During the 2 <sup>nd</sup> PoA period
$EF_{\text{projected\_fossilfuel},i}$  (Unit: tCO <sub>2</sub> /TJ, Description: Emission	81.6 tCO <sub>2</sub> /TJ	63.7 tCO <sub>2</sub> /TJ

	factor of the fuel(s) type i substituted)		
	Since the Value of the Ex-ante parameter has been reduced, hence the same is accepted to the validation team. The value is correctly applied for the emission reduction calculation.		
<b>Findings</b>	Nil		
<b>Conclusion</b>	Validity of the baseline has been correctly assessed and the parameters are updated as per the Methodological Tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" Version 03.0.1 in the PoA-DD submitted for the renewal of PoA period.		

### D.2.3. Estimated emission reductions or net anthropogenic removals

<b>Means of validation</b>	<p>Validation team has checked modalities for estimating GHG emission reductions or net anthropogenic GHG removals in the updated generic CPA part of the PoA-DD in accordance with the applied version of the methodology i.e. AMS-III.AV Version 05.0.</p> <p>The calculations are done as per applied methodologies AMS-III.AV version 05 /5/ and the relevant provisions of AMS-I.E version 08 (in the calculation of the fraction of woody biomass used in the absence of the project activity in year y that can be established as non renewable).</p> <p>Validation team has assessed the calculations of project emissions, baseline emissions, leakage, and emission reductions. The parameters and equations presented in the PoA-DD and CPA-DD as well as in other applicable documents have been compared with the information and requirements presented in the methodology and other applicable tools.</p>
<b>Findings</b>	Nil
<b>Conclusion</b>	<p>The assessment team confirms that</p> <ul style="list-style-type: none"> <li>• All assumptions and data used by the CME are listed in the generic CPA part of the PoA-DD, including their references and sources;</li> <li>• All documentation used by CME as the basis for assumptions and source of data is correctly quoted and interpreted in the PoA-DD;</li> <li>• All values used in the PoA-DD are considered reasonable in the context of the proposed PoA;</li> <li>• The baseline methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions;</li> <li>• All estimates of the baseline emissions can be replicated using the data and parameter values provided in the PoA-DD.</li> </ul>

### D.2.4. Validity of monitoring plan

Means of validation	The monitoring plan (in the generic CPA part of the PoA) is in compliance with the applied methodology AMS- III.AV., version 05.0 /5/. The project was originally registered applying small scale methodology AMS-III.AV, version 03. For the 2 <sup>nd</sup> crediting period, Valid version i.e. version 05.0 of the same methodology AMS-III.AV. has been applied and the monitoring plan of the same has been adopted. As per the methodology, the following parameter will be monitored:		
	Sl. No.	Parameters	Monitoring procedure
	1.	QPW <sub>y</sub>  (Unit: Liters, Description: Quantity of purified water in year y)	<b>Source of data:</b> Records or calculation  <b>Measurement procedures (if any):</b> The quantity of purified water in year y shall be determined as per the following options: (a) Monitoring on continuous basis using flow meter(s) for a statistically valid sample of the distributed appliances/kiosks; (b) Monitoring of a statistically valid sample of



			<p>the distributed appliances during a period that is representative of the monitoring period)</p> <p>(c) Calculation based on <i>Equation 1</i> or <i>Equation 2</i>.</p> <p><b>Monitoring frequency:</b> At least annually</p> <p><b>Justification for the compliance:</b> Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	2.	$P_y$  (Unit: Number, Description: Population serviced by the project activity in year y)	<p><b>Source of data:</b> Records, Survey, literature value or calculation</p> <p><b>Measurement procedures (if any):</b>  This parameter will be determined by records or literature value or surveys based on sampling method.</p> <p>In the case <math>P_y</math> is determined by calculation, it is calculated based on the average population served by each project appliance (<math>P_{average,y}</math>) and total number of project appliance installed in year y (<math>N_y</math>), i.e. <math>P_y = P_{average,y} \times N_y</math></p> <p>Refer to <math>P_{average,y}</math> and <math>N_y</math> below.</p> <p><b>Monitoring frequency:</b> At least annually</p> <p><b>Justification for the compliance:</b> This monitoring parameter will be used for the calculate of the monitoring parameter <math>QPW_y</math> when option c under monitoring parameter <math>QPW_y</math> is used.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	3.	$P_{average,y}$  (Unit: Number, Description: Average population served by each project appliance)	<p><b>Source of data:</b> Surveys, records or literature value</p> <p><b>Measurement procedures (if any):</b>  A statistically valid sample of project appliance will be selected to determine the number of households, schools or community centers who are using the project appliance, as per the relevant requirements for sampling in the "Standard for sampling and surveys for CDM project activities and programme of activities. The population served by each project appliance (<math>P_{average,y}</math>) will be determined by the following methods:</p> <ol style="list-style-type: none"> <li>1. Direct survey. Based on the selected</li> </ol>

			<p>samples of the project appliance, a survey will be designed to identify the population of households, schools or community centres etc. served by the selected project appliance, then calculate the average population served by each project appliance.</p> <p>2. Survey combined with literature.</p> <p>a) Based on the selected samples of the project appliance, a survey will be designed to identify the average households served by each project appliance (<math>HH_{average}</math>);</p> <p>b) Adopt official data/ authoritative data/ literature which provides average household size (<math>HH_{size}</math>) in project area. In case such data is not available, a survey will be designed to identify the <math>HH_{size}</math> based on the selected samples of the project appliance by asking question like "How many people in your household?"</p> <p>c) Calculated by multiplying the average number of households served by each project appliance (<math>HH_{average}</math>) <math>\times</math> average household size (<math>HH_{size}</math>).</p> <p><b>Monitoring frequency:</b> At least annually</p> <p><b>Justification for the compliance:</b> This monitoring parameter will be used for the calculate of the monitoring parameter <math>P_y</math>.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	4.	$N_y$  (Unit: Number, Description: Total number of functional project appliance in year y)	<p><b>Source of data:</b> Records</p> <p><b>Measurement procedures (if any):</b> The number of all appliances installed in year y will be checked and updated in database.</p> <p><b>Monitoring frequency:</b> At least annually</p> <p><b>Justification for the compliance:</b> This monitoring parameter will be used for the calculate of the monitoring parameter <math>P_y</math>.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	5.	m	<p><b>Source of data:</b> Calculation</p>

		(Unit: Fraction, Description: Fraction of functional appliances that are meeting the SDW Standards)	<p><b>Measurement procedures (if any):</b> m is calculated based on the fraction of functional appliances (functionality%) and purified water meeting the SDW Standards (WQ%).</p> $m = \text{functionality\%} \times \text{WQ\%}$ <p>Refer to the parameters functionality% and WQ% below.</p> <p><b>Monitoring frequency:</b> At least once every two years</p> <p><b>Justification for the compliance:</b> Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	6.	functionality%  (Unit: Fraction, Description: Fraction of functional appliances)	<p><b>Source of data:</b> Survey/calculation</p> <p><b>Measurement procedures (if any):</b> Through Sampling survey can insure all appliances or a representative sample thereof to ensure that they are still operating or are replaced by an equivalent in service appliance</p> <p><b>Monitoring frequency:</b> At least once every two years</p> <p><b>Justification for the compliance:</b> This monitoring parameter will be used for the calculate of the monitoring parameter m.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	7.	WQ%  (Unit: -, Description: The quality of the safe drinking water)	<p><b>Source of data:</b> Sampling surveys</p> <p><b>Measurement procedures (if any):</b> To ensure compliance of the water quality either with: (i) the “interim” performance target as per “Evaluating household water treatment options: Health based targets and microbiological performance specifications” (WHO, 2011); or (ii) an applicable national standard or guideline, the water quality shall be monitored on sample basis for contamination with Escherichia coli (E. coli). A presence/absence test for E. coli colony forming units (CFU) in 10 ml of water or an equivalent quantitative test for E. coli CFU shall be used. A presence of up to 10 E. coli CFU/100 ml shall be acceptable.</p> <p><b>Monitoring frequency:</b> At least once every two years</p> <p><b>Justification for the compliance:</b></p>

			<p>This monitoring parameter will be used for the calculate of the monitoring parameter m.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	8.	<p>Installation of a SDW public distribution network</p> <p>(Unit: -, Description: Monitoring shall include annual check if a SDW public distribution network is installed.)</p>	<p><b>Source of data:</b> [Interviews with officials, end-users, NGOs, or local experts or published reports, maps, pictures, official documents]</p> <p><b>Measurement procedures (if any):</b> In case a safe drinking water network is found to exist, households receiving SDW will be identified via map, surveys, and/or pictures.</p> <p><b>Monitoring frequency:</b> At least annually</p> <p><b>Justification for the compliance:</b> Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	9.	<p>t</p> <p>(Unit: Hours/day, Description: Usage fraction of time)</p>	<p><b>Source of data:</b> Records</p> <p><b>Measurement procedures (if any):</b> This parameter is determined by records or by statistically valid samples</p> <p><b>Monitoring frequency:</b> At least once every two years</p> <p><b>Justification for the compliance:</b> Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
	10.	<p>Monitoring parameters for the project emissions from fossil fuel combustion</p> <p>(Unit: -, Description: Parameters to be monitored for the calculation of project emissions from fossil fuel combustion as per the tool)</p>	<p><b>Source of data:</b> As per the Tool to calculate project or leakage CO2 emissions from fossil fuel combustion" version 03.0.</p> <p><b>Measurement procedures (if any):</b> [if applicable to be monitored for each CPA]</p> <p><b>Monitoring frequency:</b> Fuel consumption continuously, the Net Calorific Value and the Emission Factor shall be based on the latest IPCC guidelines.</p> <p><b>Justification for the compliance:</b> This would only be considered in the case the water purification device consumes fossil fuel. Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and</p>

			CME/CPA Implementer is able to implement the monitoring plan.
	11.	<p>Monitoring parameters for the project emissions from electricity consumption</p> <p>(Unit: -, Description: Parameters to be monitored for the calculation of project emissions from electricity consumption as per the tool)</p>	<p><b>Source of data:</b> As per the Methodology tool of Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation version 3.0.</p> <p><b>Measurement procedures (if any):</b> [if applicable to be monitored for each CPA]</p> <p><b>Monitoring frequency:</b> Continuous for the electricity consumption, and as per Methodology tool of Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation version 3.0.</p> <p><b>Justification for the compliance:</b> This would only be considered in the case the water purification device consumes electricity.</p> <p>Validation team has checked the monitoring parameter and found that the monitoring parameter is complying with the applied methodology i.e. AMS-III.AV. version 05.0 and CME/CPA Implementer is able to implement the monitoring plan.</p>
The monitoring plan will give opportunity for real measurements of achieved emission reductions.			
<b>Findings</b>	No finding		
<b>Conclusion</b>	<p>Validation team can confirm that the parameters to be determined ex-post have been presented correctly and according to requirements of the applied methodology AMS-III.AV version 05 and that CME/CPA Implementer shall be able to monitor and report emission reductions ex-post.</p> <p>Validation team has also checked the sampling plan for each generic CPA of the PoA and found in compliance with the applied methodology AMS-III.AV Version 05 /5/, Standard for sampling and surveys for CDM project activities and programme of activities, Version 07.0 /9/ and Guidelines for sampling and survey for CDM project activities and programme of activities Version 04.0 /8/ and that CME/CPA Implementer shall be able to implement the sampling plan.</p> <p>Also, the sampling plan contained in each generic CPAs has summarized a description of the sampling approach, important assumptions, and justification for the selection of the chosen approach. The validation team regards it complied with the Section 4 of Sampling Standard Ver.07.</p>		

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

Means of validation	No.	Eligibility Criterion – Category	Eligibility Criterion – Required Condition	Supporting evidence for inclusion	Means of validation/Findings/Conclusion
	1	Technology requirements	The specifications of technology/measure including the level and type of service, performance specifications including compliance with testing/certifications;	The water purification device under the CPA must adhere to following criteria: - Type	The eligibility criteria has been updated in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.

			<p>should be Membrane Filter, Activated Carbon or ceramic filter</p> <ul style="list-style-type: none"> <li>- Capacity of filters should be in range of 2lt/hr to 1000 lt/hr</li> <li>- All filters should be portable operation</li> <li>- All filter performance level should reduce E.coli up to 10 CFU/100 ml sample</li> </ul>	<p>Each The eligibility criteria and the supportive evidence for inclusion are in compliance with footnote 23 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria/supportive evidence for each generic CPA and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
2		Water purification technologies involve point-of use (POU) or point-of-entry treatment systems for residential or institutional applications such as systems installed at a school or a community centre.	Specification of water purification device, CPA implementation plan mentioning the target users and the locations of the project.	<p>There is no change in this eligibility criteria in compared to the registered PoA-DD /13/15/.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p>
3		The application of the project technology/equipment achieves compliance either with: (i) the "interim" performance target as per "Evaluating household water treatment options: Health based targets and microbiological performance specifications" (WHO, 2011); or (ii) an applicable national standard or guideline.	Laboratory testing or official notifications (for example notifications from the national authority on health).	<p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
4	Applicability of the methodology	Prior to the implementation of the project activity, a public distribution network supplying safe drinking water (SDW) to the project boundary does not exist.	Interviews with officials, end-users, NGOs, or local experts or published reports, maps, pictures, official documents.	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD /13/15/.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124</p>

	5	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.	Documented measures and database with all replacement records and equipment retirement or dropout.	of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.
	6	It should be demonstrated that the maintenance of the project appliances is implemented in accordance with manufacturer's specifications/ recommendations, including any provisions in regard to replacement or cleansing of the involved filters.	Regular checks on the project appliance and implement maintenance will be performed in accordance with manufacturer's recommendations, including any provisions in regard to replacement or cleansing of the project appliance when necessary.	This is a new eligibility criteria compare to registered PoA-DD /13/15/.  The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.
	7	Applicability of the methodology is foreseen in the following types of situations that shall be reassessed at the beginning of each crediting period:  (a) <b>Case 1:</b> Project activities implemented in rural or urban areas <sup>7</sup> of countries with proportion of rural or urban population using an improved drinking-water source equal to or less than 60% confirmed by one of the three options below: (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 ( <a href="http://www.wssinfo.org/dataestim">http://www.wssinfo.org/dataestim</a>	JMP data, official data or survey.	There is no change in this eligibility criteria in compare to the registered PoA-DD /13/15/.  The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore,

<sup>7</sup> As per the WHO/UNICEF Joint Monitoring Programme for water supply and sanitation.

		<p>ates/table/&gt;) 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 an university</p> <p>(iii) Using survey methods (use 90/10 confidence/precision for sampling);</p> <p>(b) <b>Case 2:</b> Project activities implemented in areas not included in case 1.</p>		<p>criterion complied.</p>
8	Boundary and location of the CPA	CPA is located within one of the host countries listed in Part I section A.5. CPA involves only one host country.	<p>Location and boundary is specified in the specific CPA-DD stating that the location is limited to one host country; CPA implementation plan mentioning the target users or distribution records or recording address or location of the end-user in the database to confirm that all CPA boundary including all physical application of the equipment are still inside the host country boundary.</p>	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD /13/15/.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
9	Avoidance of double counting	The CPA is exclusively bound to the PoA. Confirmation that the PoA has not been and will not be registered either as a single CDM project activity or as a CPA under another POA.	A statement is included in the CPA-DD that the specific CPA will not be	There is no change in this eligibility criteria in compare to the registered PoA-DD /13/15/.



				part of another single CDM project activity or CPA under another PoA. Evidence: Check on UNFCCC website with date of access.	The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.
	10		A unique numbering or identification system for the water purification devices disseminated is applied.	Unique identification of product and end-users locations. Document: first appliance sales receipt or implementation plan if the CPA has not started yet.	
	11	Start date	<p>The CPA start date (first appliance sold or distributed) shall be after the PoA validation start date (webhosting date, i.e. 29/07/2011).</p> <p>In case any deployed water purification device are found not in line with CPA start date requirement, those devices will not be counted for emission reduction calculation.</p> <p>The CPA crediting period shall be limited by the PoA crediting period.</p>	<p>The start date of the CPA will be specified in each CPA-DD and is after 29/07/2011. Document: Either statement that no water purification device under the CPA were sold before 29/07/2011; Or first water purification device sales receipt.</p> <p>It shall be confirmed in each CPA that the end of the crediting period shall be before the end of the PoA crediting period.</p> <p>CPA crediting period is X</p>	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD /13/15.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>

				years, starting from XX/XX/XXXX, ie. until XX/XX/XXXX. The PoA lifetime is 28 years starting 19/11/2012, until 18/11/2040.	
12	Additionality of CPAs	<p>The CPA shall satisfy the following additionality test below, based on the Methodological tool of Demonstration of additionality of microscale project activities (Version 08.0) as per para 10(b):</p> <p>The project activity is an emission reduction activity with both conditions (i) and (ii) below satisfy:</p> <p>(i) Each of the independent subsystems/measures in the project activity achieves an estimated annual emission reduction equal to or less than 600 tCO<sub>2</sub>e per year; and</p> <p>(ii) End users of the subsystems or measures are households/communities/SMEs.</p> <p>For CPAs applying microscale thresholds at the unit level rather than at the aggregate level of the CPA, the term 'project activities' in paragraph– 8 - 12 and 14 of the additionality tool shall be read as 'units'. As per para 17 of Methodological tool of Demonstration of additionality of microscale project activities, if each of the units contained in the CPA satisfies the condition to qualify as a 'microscale CDM unit', then the coordinating/managing entity is not required to demonstrate compliance of the CPA with the microscale or small-scale thresholds at the aggregate level of the CPA.</p>	<p>Evidence showing that each of the device achieves an annual emission reduction equal to or less than 600 tCO<sub>2</sub>e per year. Evidence that the users shall be households or communities or Small and Medium Enterprises (SMEs), based on CPA implementation on plan mentioning the target users or distribution records. Document: excel sheet calculation, technology specification, CPA implementation on plan mentioning the target users or distribution records.</p>	<p>The eligibility criteria has been updated in compliance with the applied methodology i.e. AMS-III.AV Version 05.0, Methodological tool of Demonstration of additionality of microscale project activities, Version 08.0 and also para 124 of the PS for PoA Version 02.</p> <p>The additionality of the CPA will be demonstrated through deemed additional approach that is in line with para 10 b) of Methodological tool of Demonstration of additionality of microscale project activities, Version 08.0.</p> <p>Seperated PRC Validation report has been submitted for the same.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>	
13	SSC Limit for CPAs	The annual emissions reductions of each unit shall not go beyond the limits of 600 tCO <sub>2</sub> e/y. As per para 17 of Methodological tool of Demonstration of additionality of microscale project activities, if each of the units contained in the CPA satisfies the condition to qualify as	Evidence showing that each of the device achieves an annual emission reduction	CPA will consists of only units that qualify as 'microscale CDM units as defined in the methodological tool "Demonstration of additionality of microscale project	

		<p>a 'microscale CDM unit', then the coordinating/managing entity is not required to demonstrate compliance of the CPA with the microscale or small-scale thresholds at the aggregate level of the CPA.</p>	<p>equal to or less than 600 tCO<sub>2</sub>e per year. Evidence that the users shall be households or communities or Small and Medium Enterprises (SMEs), based on CPA implementation plan mentioning the target users or distribution records. Document: excel sheet calculation, technology specification, CPA implementation plan mentioning the target users or distribution records.</p>	<p>activities" version 08.0 /18/ and the end users would be households/communities/SMEs.</p> <p>The eligibility criteria has been updated in compliance with the applied methodology i.e. AMS-III.AV Version 05.0, Methodological tool of Demonstration of additionality of microscale project activities, Version 08.0 and also para 124 of the PS for PoA Version 02.</p> <p>Separated PRC Validation report has been submitted for the same.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
14	Sampling requirements	<p>The conditions related to sampling requirements for the PoA are in accordance with the approved guidelines/standard from the Board pertaining to sampling and surveys (Standard for sampling and surveys for CDM project activities and programme of activities, Version 07.0 and Guidelines for sampling and survey for CDM project activities and programme of activities Version 04.0) and are in line with the requirements of the applied methodology AMS.III.AV, version 05.0.</p>	<p>As specified in the sampling plan in the CPA-DD and according to the sampling requirements specified at PoA level.</p>	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>The sampling plan has been updated in the generic CPA part of the PoA-DD. Separated PRC Validation report has been submitted for the same.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by</p>

					means of interviews performed with the CME. Therefore, criterion complied.
15	De-bundling	Each water purification device reduces less than 600 tCO <sub>2</sub> e/y <sup>8</sup> .	Calculation will be provided in the CPA-DD. Document: Manufacturer specification.	There is no change in this eligibility criteria in compare to the registered PoA-DD.  The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.	
16	Contractual agreement	The CPA implementer has signed a contractual agreement with the CME to participate in the PoA. Such agreement guides the transfer of the emission reduction rights to the CME.	Contract between the CPA implementer and the CME.	There is no change in this eligibility criteria in compare to the registered PoA-DD.  The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.	
17	Local Stakeholder Consultation	A local stakeholder consultation has been conducted for CPA.	Local Stakeholder Consultation Report.	There is no change in this eligibility criteria in compare to the registered PoA-DD.  The eligibility criteria is	

<sup>8</sup> According to the methodology tool of "Assessment of debundling for SSC project activities, v04.0 (EB 83, Annex 13, par. 17) for determining the occurrence of debundling under a Programme of Activities (PoA)", if each of the independent subsystem/measures included in the CPA of a PoA is not larger than 1% of the small scale threshold defined by the methodology applied, than that CPA of PoA is exempted from performing de-bundling check, i.e. considered as being not a de-bundled component of a large scale activity.

				<p>in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
18	Environmental Analysis	CPA is in line with the environmental host Party laws/regulations.	EIA exemption or EIA report.	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>
19	Diversio n of official develop ment assistan ce	CPA should not result into the diversion of official development assistance	Declaration from CPA implementer.	<p>There is no change in this eligibility criteria in compare to the registered PoA-DD.</p> <p>The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.</p> <p>Validation team has checked the eligibility criteria and found OK.</p> <p>This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.</p>

	20	Target group	CPA shall target households or communities or Small and Medium Enterprises (SMEs)	Evidence that the users shall be households or communities or Small and Medium Enterprises (SMEs), based on CPA implementation plan mentioning the target users or distribution records. Documents: CPA implementation plan or distribution records.	There is no change in this eligibility criteria in compare to the registered PoA-DD.  The eligibility criteria is in compliance with the applied methodology i.e. AMS-III.AV Version 05.0 and also para 124 of the PS for PoA Version 02.  Validation team has checked the eligibility criteria and found OK.  This criterion was further validated by means of interviews performed with the CME. Therefore, criterion complied.
<b>Findings</b>	No finding				
<b>Conclusion</b>	<ol style="list-style-type: none"> <li>1. Validation team confirm that the eligibility criteria for inclusion of corresponding CPAs in the registered PoA are updated by the CME in accordance with the applicable validation requirements related to the renewal of programme of activities period in the VVS for PoA Version 02.</li> <li>2. The Coordinating and Managing Entity (CME) has outlined clear and unambiguous Eligibility Criteria for the inclusion of a CPA under this PoA. The Eligibility Criteria, listed in section K of the generic part of CPA of PoA-DD has been validated by the validation team with regards to the applicability of the applied methodology AMS-III.AV version 05/05/ and found in compliance.</li> <li>3. Validation team confirm that the Eligibility Criteria are sufficiently, objective and comprehensive to permit the assessment of the inclusion of CPAs in the PoA. Further Validation team confirm that eligibility criteria for the inclusion of CPA have covered the minimum eligibility criteria as required by para 124 of PS for PoA Version 02 /11/.</li> </ol>				

## SECTION E. Internal quality control

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Following the completion of the assessment process and a recommendation by the assessment team, the validation opinion prepared by Team Leader is independently reviewed by internal Technical Reviewer. TR reviews if all the KBS procedures have been followed and all conclusions are justified in accordance with applicable standards, procedures, guidance and CDM decisions. The TR either is qualified for the technical area within the CDM sectoral scope(s) applicable to project activity or is supported by qualified independent technical expert at this stage.

The Technical Reviewer will either accept or reject the recommendation made by the assessment team. The findings can be raised at this stage and PP must resolve them within agreed timeline. The opinion recommended by Technical Reviewer will be confirmed by Manager Technical & Certification and finally authorized by the Managing Director on behalf of KBS as final validation opinion. The Technical Reviewer and Manager T&C may be the same person.

## SECTION F. Validation opinion

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KBS Certification Services Pvt. Ltd. has been contracted by 'Pure Water Ltd.' (CME) to perform a validation of the CDM registered programme of activity 'International Water Purification Programme' (UNFCCC Ref #5962) for renewal of the PoA period.

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

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

The review of the PoA-DD and the subsequent follow-up interviews have provided validation team with sufficient evidence to determine the validity of the original baseline and/or its update through an assessment. The PoA-DD (dated 20/06/2019) correctly applies small scale methodology AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - Version 5.0.

The monitoring arrangements described in the monitoring plan are feasible within the PoA-DD, and it is validation team's opinion that the CME/CPA Implementer are able to implement the monitoring plan.

In summary, it is validation team's opinion that the CDM programme of activity "International water purification programme" (UNFCCC Ref #5962) meets all relevant UNFCCC requirements for the renewal of the PoA period. Hence KBS requests the renewal of CDM programme of activity period.

## Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification request
CME	Coordinating/managing entity
CO <sub>2</sub>	Carbon dioxide
COP	Conference of Parties
CPA	Component Project Activity
DOE	Designated Operational Entity
DNA	Designated National Authority
ERs	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse gas(es)
IPCC	Intergovernmental Panel on Climate Change
JMP	Joint Monitoring Programme
KBS	KBS Certification Services Pvt. Ltd.
LDC	Least Developed Country
MOP	Meeting of Parties
MP	Monitoring Plan
MR	Monitoring Report
ODA	Official Development Assistance
PE	Project Emissions
PoA	Programme of Activities
POU	Point of Use
PRC	Post Registration Changes
QA/QC	Quality Assurance/Quality Control
QPW	Quantity of Purified Water
SEC	Specific Energy Consumption
TA	Technical Area
T&C	Technical & Certification
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation & Verification Standard
WHO	World Health Organization

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

Personnel Name:		Chetan Swaroop Sharma	
Qualified to work as:			
Team Leader	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>
Validator/Verifier	<input checked="" type="checkbox"/>	Financial Expert	<input checked="" type="checkbox"/>
Technical Reviewer	<input checked="" type="checkbox"/>	Local Expert (India)	<input checked="" type="checkbox"/>
Area(s) of Technical Expertise			
Sectoral Scope		Technical Area	
Energy industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		



	TA 1.2: Energy generation from renewable energy sources
Energy Demand	TA 3.1. Energy demand
Waste handling and disposal	TA 13.1. Solid waste and wastewater TA 13.2. Manure
Approved by (Manager C & T)	Sanjay Kandari
Approval date:	01/05/2017

<b>Personnel Name:</b>		<b>Rohit Badaya</b>	
<b>Qualified to work as:</b>			
Team Leader	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>
Validator/Verifier	<input checked="" type="checkbox"/>	Financial Expert	<input checked="" type="checkbox"/>
Technical Reviewer	<input checked="" type="checkbox"/>	Local Expert (India)	<input checked="" type="checkbox"/>
<b>Area(s) of Technical Expertise</b>			
<b>Sectoral Scope</b>	<b>Technical Area</b>		
Energy industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
	TA 1.2: Energy generation from renewable energy sources		
Energy demand	TA 3.1. Energy Demand		
Waste Handling and Disposal	TA 13.1 Solid waste and wastewater TA 13.2 Manure		
Approved By	Manager Competency & Training		
Approval date:	16/10/2017		

### Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1.	Pure Water Ltd.	PoA DD [Initial]	Version 01 dated 18/04/2019	Pure Water Ltd.
2.	Pure Water Ltd.	PoA DD [Final]	Version 02.1 dated 20/06/2019	Pure Water Ltd.
3.	Pure Water Ltd.	Modalities of Communication	21/03/2016 and 26/05/2016	Pure Water Ltd.
4.	KBS and Pure Water Ltd.	Validation contract in between KBS Certification Services Pvt. Ltd. and Pure Water Ltd.	04/03/2019	Pure Water Ltd.
5.	UNFCCC	AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems - Version 5.0	Version 5.0	UNFCCC Website
6.	UNFCCC	PoA-DD form and Instruction to fill the PoA design document	Version 09	UNFCCC Website
7.	UNFCCC	Glossary of CDM terms	Version 09.1	UNFCCC Website
8.	UNFCCC	Guidance for sampling and surveys for CDM	Version 04	UNFCCC Website

		project activities and programmes of activities		
9.	UNFCCC	Standard: Sampling and surveys for CDM project activities and programme of activities	Version 07	UNFCCC Website
10.	UNFCCC	CDM VVS for PoA	Version 02	UNFCCC Website
11.	UNFCCC	CDM PS for PoA	Version 02	UNFCCC Website
12.	UNFCCC	CDM PCP for PoA	Version 02	UNFCCC Website
13.	UNFCCC	Registered PoA-DD	Version 06, dated 02/10/2012	UNFCCC Website
14.	UNFCCC	Validation Report	Revision No. 12, 16/11/2012	UNFCCC Website
15.	UNFCCC	Revised PoA-DD (Post Registration Changes)	Version 07, dated 13/04/2015	UNFCCC Website
16.	UNFCCC	Validation Opinion for Post Registration Changes, Report No. 2015-IQ-21-MD	Revision: 1.1 Aa, dated 15/07/2015	UNFCCC Website
17.	UNFCCC	Methodological Tool: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period.	<a href="#">Version 3.0.1</a>	Publically available
18.	UNFCCC	Demonstration of additionality of microscale project activities"	Version 08.0	Publically available

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

Table 1. CL from this validation

CL ID	01	Section no.	D.2.2	Date: 19/04/2019
<b>Description of CL</b>				
For the demonstration of the validity of the original baseline or its update, CME need to comply with the requirements as per para 289 and 291 of the Project standard for PoA version 02 /11/ however the validation team could not verify the same from the section I.5 of the submitted POA-DD /01/.				
<b>Project participant response</b>				<b>Date: 24/04/2019</b>
<i>CME has updated the section I.5 of the revised PoA DD as per requirement of para 289 and 291 of the project standard.</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA DD version 2 dated 24/04/2019</i>				
<b>DOE assessment</b>				<b>Date: 24/04/2019</b>
Correction has been done in the revised PoA-DD (Section I.5) /02/ and found OK. Hence this CL is closed.				

CL ID	02	Section no.	-	Date: 19/04/2019
<b>Description of CL</b>				
For the Generic CPA "CPA Type 8- Other low greenhouse gas emitting technology", CME need to clarify what type of technology would be implemented in compliance with the applied methodology "AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems --- Version 5.0"				
<b>Project participant response</b>				<b>Date: 24/04/2019</b>
<i>Generic CPA Type 8- Other low greenhouse gas emitting technology deleted as it's not compliance with the applied methodology AMS III AV version 5.</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA DD version 2 dated 24/04/2019</i>				
<b>DOE assessment</b>				<b>Date: 24/04/2019</b>
Correction has been done in the revised PoA-DD /02/ and found OK. Hence this CL is closed.				

Table 2. CAR from this validation

<b>CAR ID</b>	01	<b>Section no.</b>	D.1.1	<b>Date:</b> 19/04/2019
<b>Description of CAR</b>				
As per the “Attachment. Instructions for completing this form” under CDM-PoA-DD-FORM version 08.1, it is not allowed to modify or delete tables and their columns in the form. Validation team has found that Tables under Appendix-1 of the submitted PoA-DD /01/ are not following the CDM-PoA-DD-FORM.				
<b>Project participant response</b>				<b>Date:</b> 24/04/2019
<i>CME has updated the Appendix 1 as per CDM-PoA DD-FORM.</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA DD version 2 dated 24/04/2019</i>				
<b>DOE assessment</b>				<b>Date:</b> 24/04/2019
Correction has been done in the revised PoA-DD /02/ and found OK. Hence this CAR is closed.				

<b>CAR ID</b>	02	<b>Section no.</b>	-	<b>Date:</b> 19/04/2019
<b>Description of CAR</b>				
As per para 295 of the PS for PoA version 02, “The coordinating/managing entity wishing to combine a request for approval of any types of changes to the registered CDM PoA with a request for renewal of the PoA period may submit combined requests in accordance with the “CDM project cycle procedure for programmes of activities”.				
Under Appendix 7 of the submitted PoA-DD /01/, CME need to specify the post registration changes which are submitted along with request for renewal of the PoA period. CME also need to highlight/track change the Post registration changes.				
<b>Project participant response</b>				<b>Date:</b> 24/04/2019
<i>CME has included post registration changes information in Appendix 7 of the PoA DD.</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA DD version 2 dated 24/04/2019</i>				
<b>DOE assessment</b>				<b>Date:</b> 24/04/2019
Correction has been done in the revised PoA-DD /02/ and found OK. Hence this CAR is closed.				

Table 3. FAR from this validation

No FAR from this Validation

<b>FAR ID</b>	xx	<b>Section no.</b>		<b>Date:</b> DD/MM/YYYY
<b>Description of FAR</b>				
<b>Project participant response</b>				<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				<b>Date:</b> DD/MM/YYYY

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**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	31 May 2019	Revision to: <ul style="list-style-type: none"><li>• Ensure consistency with version 02.0 of the “CDM validation and verification standard for programmes of activities” (CDM-EB93-A08-STAN) and version 02.0 of the “CDM project cycle procedure for programmes of activities” (CDM-EB93-A09-PROC);</li><li>• Make editorial improvements.</li></ul>
01.0	29 December 2017	Initial publication.

Decision Class: Regulatory  
Document Type: Form  
Business Function: Renewal of crediting period  
Keywords: crediting period, programme of activities, validation report