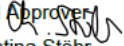


**Validation report form for post-registration/design changes for  
programme of activities  
(Version 03.0)**

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

**BASIC INFORMATION**

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title and reference number of the programme of activity (PoA)</b>         | <b>African Biogas Carbon Programme (ABC)<br/>(GS2747)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Process track</b>                                                         | <input checked="" type="checkbox"/> Prior notification track                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Version number of this validation report</b>                              | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Completion date of this validation report</b>                             | 03/01/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Version number of PoA-DD applicable to this validation report</b>         | 9.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Type(s) of PoA PRCs / Design changes</b>                                  | <input type="checkbox"/> Corrections<br><input type="checkbox"/> Inclusion of monitoring plan<br><input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents <sup>1</sup><br><input checked="" type="checkbox"/> Changes to the programme design<br><input type="checkbox"/> Addition of CPA inclusion template<br><input type="checkbox"/> Change of coordinating/managing entity<br><input type="checkbox"/> Changes specific to afforestation and reforestation activities |
| <b>Coordinating/managing entity (CME)</b>                                    | Africa Bioenergy Programs Limited (ABPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host Parties</b>                                                          | Kenya, Uganda, Tanzania                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applied methodologies and standardized baselines</b>                      | Methodology for animal manure management and biogas use for thermal energy generation v1.1<br>Standardized Baseline: Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Related sectoral scopes</b>                                               | 1 and 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conditional sectoral scopes, if applicable</b>                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Name of the VVB</b>                                                       | TÜV NORD CERT GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Name, position and signature of the approver of the validation report</b> | <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Final Approver<br/>Christina Stöhr</div>  </div>                                                                                                                                                                                                                                                                                                                                                                                                                |

<sup>1</sup> Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

**SECTION A. Executive summary**

Africa Bioenergy Programs Limited (ABPL) has commissioned the TÜV NORD JI/CDM Certification Program (CP) to assess the Design Canges of the programme: African Biogas Carbon Programme (ABC).

**Technical Project Description**

The Programme of Activities (PoA) with title “**African Biogas Carbon Programme (ABC)**” aims to promote biogas systems in Africa, starting with East Africa to households, institutions and Small and Medium Enterprises (SMEs) across multiple countries, with an initial focus for the United Republics of Kenya, Uganda and Tanzania. The main objective is to displace use of non-renewalble biomass and reduce emission redctions, among other related SGDs.

Essential data of the project is presented in the following Tables.

**Table 1:** Project Characteristics

| Item              | Data                                                                                                                           |                                                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Project title     | African Biogas Carbon Programme (ABC)                                                                                          |                                                 |
| Project type      | <input type="checkbox"/> Standard                                                                                              | <input checked="" type="checkbox"/> PoA         |
| Project size      | <input type="checkbox"/> Large Scale                                                                                           | <input checked="" type="checkbox"/> Small Scale |
| Technical Area(s) | 1.2: Renewable energies<br>13.2: Waste handling and disposal                                                                   |                                                 |
| Location          | Kenya, Uganda, Tanzania                                                                                                        |                                                 |
| Crediting period  | <input checked="" type="checkbox"/> Renewable Crediting Period (7 y)<br><input type="checkbox"/> Fixed Crediting Period (10 y) |                                                 |

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

On the basis of a competence analysis and individual availabilities an assessment team, consistent of one team leader. Furthermore, also the personnel for the technical review and the final approval were determined.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the following table below.

**B.1. Validation team member**

| No. | Role                             | Type of resource | Last name | First name    | Affiliation<br>(e.g. name of central or other office of DOE or outsourced entity) | Involvement in  |                    |            |                     |
|-----|----------------------------------|------------------|-----------|---------------|-----------------------------------------------------------------------------------|-----------------|--------------------|------------|---------------------|
|     |                                  |                  |           |               |                                                                                   | Document review | On-site inspection | Interviews | Validation findings |
| 1.  | Team Leader and Technical expert | IR               | Winter    | Stefan        | TN CERT GmbH                                                                      | x               | -                  | x          | x                   |
| 2.  | Team Member                      | EI               | Lubanga   | David         | -                                                                                 | x               | -                  | -          | x                   |
| 3.  | Observer Team                    | EI               | Mbyuta    | Joyce Mwikali | -                                                                                 | x               | -                  | -          | -                   |

**B.2. Technical reviewer and approver of the validation report on PoA PRCs**

| No. | Role                        | Type of resource | Last name | First name | Affiliation<br>(e.g. name of central or other office of DOE or outsourced entity) |
|-----|-----------------------------|------------------|-----------|------------|-----------------------------------------------------------------------------------|
| 1.  | Technical expert            | EI               | Zhao      | Fancy      | -                                                                                 |
| 2.  | Technical reviewer/Approver | IR               | Stöhr     | Christina  | TN CERT GmbH                                                                      |

**SECTION C. Means of validation****C.1. Document review**

The *assessment of post registration changes* consisted of the following steps:

- Appointment of team members and technical reviewers
- A desk review of the registered and revised PoA-DD/<sup>PoADD/</sup> submitted by the client and additional supporting documents
- On-Site assessment (if required)
- Background investigation and follow-up interviews with personnel of the project developer and its contractors,
- Resolution of corrective actions (CARs / CLs) (if any)
- Final reporting
- Technical review
- Final approval.

The registered PoA-DD, the revised PoA-DD including the Design Change (DC) Memo, and supporting background documents related to the post registration changes were reviewed.

As far as required the assessment team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data.

A list all documents reviewed or referenced during this validation is presented in Appendix 3.

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

| Duration of on-site inspection: Not Applicable |                            |               |      |             |
|------------------------------------------------|----------------------------|---------------|------|-------------|
| No.                                            | Activity performed on-site | Site location | Date | Team member |
| 1.                                             | -                          | -             | -    | -           |

Neither the GS Validation and Verification Standard v1.0 nor the Design Change Requirements version 1.1 mandate a physical onsite visit. Therefore, no site visit is required or was conducted at validation of the design change.

However, the Validation Team conducted a thorough desktop analysis of the PoA, including checking the design of the programme of activities, description, technology, baseline, eligibility criteria and the PoA boundary. The VT also ensured that all eligibility criteria of the applied methodology are adhered to by the PoA and VPAs.

Further, the VVB team checked the project documents and interviewed the CME team and consultant. The PoA is exactly the same as initially certified except for the proposed changes. No risks are involved.

### **C.3. Interviews**

| No. | Interviewee |            |             | Date       | Subject                                                                                                                                | Team member                    |
|-----|-------------|------------|-------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|     | Last name   | First name | Affiliation |            |                                                                                                                                        |                                |
| 1.  | Buysman     | Eric       | ABPL        | 07/07/2023 | Proposed Changes<br>Baseline<br>Additionality<br>Deviation<br>Technical Specifications<br>Methodology<br>Legal framework & legislation | David Lubanga<br>Stefan Winter |
| 2.  | Wahome      | Salome     |             |            |                                                                                                                                        |                                |
| 3.  | Kinisu      | Kevin      |             |            |                                                                                                                                        |                                |
| 4.  | Clemens     | Harry      |             |            |                                                                                                                                        |                                |

**C.4. Clarification requests, corrective action requests and forward action requests raised**

| Areas of validation findings                                                                                                                                                               | No. of CL | No. of CAR | No. of FAR |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|
| Compliance with PoA-DD form                                                                                                                                                                | 0         | 0          | 0          |
| Corrections                                                                                                                                                                                | 0         | 0          | 0          |
| Inclusion of monitoring plan                                                                                                                                                               | 0         | 0          | 0          |
| Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents | 0         | 0          | 0          |
| Changes to the programme design                                                                                                                                                            | 3         | 2          | 0          |
| Addition of CPA inclusion template                                                                                                                                                         | 0         | 0          | 0          |
| Change of coordinating/managing entity                                                                                                                                                     | 0         | 0          | 0          |
| Changes specific to afforestation and reforestation activities                                                                                                                             | 0         | 0          | 0          |
| Others (please specify)                                                                                                                                                                    | 0         | 0          | 0          |
| <b>Total</b>                                                                                                                                                                               | <b>3</b>  | <b>2</b>   | <b>0</b>   |

**SECTION D. Validation findings****D.1. Compliance with the PoA-DD form**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of validation</b> | The project participant used a later version of the PoA-DD form (version 1.1) for the revised PoA-DD than the version of the PoA-DD form of the registered PoA-DD (version 1.0).<br>By means of checking updated PoA-DD with the applicable PoA-DD template form v1.1, the VVB can confirm that the information transferred to the later version of the PoA-DD form is materially the same as that in the registered PoA-DD besides those changes highlighted and assessed under this report. |
| <b>Findings</b>            | CAR 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conclusion</b>          | The updated PoA-DD is in line with the applicable PoA-DD form as confirmed by Gold Standard vide Email. Hence, PoA-DD template version 1.1. has been applied.                                                                                                                                                                                                                                                                                                                                 |

**D.2. Corrections**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

**D.3. Inclusion of monitoring plan**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

**D.4. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

## D.5. Changes to the programme design

|                            |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Means of validation</b> | Type of change(s):                                                                                                                                                                                                                                      | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes to the project design                                                |
|                            |                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes to the PoA design                                                    |
|                            | <b>Description of post registration change</b>                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |
|                            | <b>Start Date:</b><br>Please provide the start date of the change                                                                                                                                                                                       | 13/06/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>End Date:</b><br>Please provide the end date of the change, if applicable |
|                            |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                                            |
|                            | <b>Description:</b><br>Please give a detailed description of the change(s)                                                                                                                                                                              | The proposed changes concern the change of the applied methodology under the registered PoA GS2747, from Technologies and Practices to Displace Decentralized Thermal Energy Consumption' (version 3.1) to the new approved GS Methodology for animal manure management and biogas use for thermal energy generation (version 1.1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |
|                            | <b>Applicability and application of the Approved Baseline Methodology</b>                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |
|                            | <b>Description:</b><br>Please give a detailed description on how the changes affect the applicability and application of the approved Baseline Methodology. Check if the actual changes would adversely affect the conclusions during validation.       | <p>The CME proposes a change in the applied methodology from the second PoA crediting period onwards.</p> <p>The new methodology is improved version, and the stated applicability conditions are still applicable to the programme of Activities.</p> <p>The actual changes would not adversely affect the conclusions during the initial PoA validation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |
|                            | <b>Additionality assessment</b>                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |
|                            | <b>Description:</b><br>Please give a detailed description re-assessment of additionality, Check whether the actual changes would adversely affect the conclusions during validation. If required please make use of the assessment tables in the annex. | <p><b>Methodology:</b></p> <p>In accordance to the GS4GG principles and requirements section 5.1.47 it is not necessary to re-assess additionality at Design certification renewal for a PoA or PA. However, the PoA undergoes a change of methodology application. The following can be confirmed:</p> <ol style="list-style-type: none"> <li>1. The PoA demonstrated additionality using barrier analysis at validation and registration. VPA additionality is per positive list as originally stated in Section B.1 of the PoA-DD version 07.0, dated 29/10/2015.</li> <li>2. There is no change in the measures/technologies to be implemented under the PoA.</li> <li>3. The new methodology does not have additional requirements with regards to demonstration of additionality.</li> </ol> <p><b>Decisive Route of Additionality Justification</b></p> <p>In line with the eligibility criterion 7 in Section B.3 of the registered PoA-DD v3.2, the VPAs under the registered voluntary PoA shall be "Project activities solely composed of isolated units where the users of the technology/measure are households or communities or Small and Medium Enterprises (SMEs) and where the size of each unit is no larger than 5% of the small-scale CDM thresholds" are part of the positive list of technologies that are defined as additional with no further need for demonstration. Biogas systems for thermal energy generation are isolated systems and will be below the 5% small-scale threshold (2.25MW</p> |                                                                              |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <p>thermal). The users of the systems are households, communities or SMEs.</p> <p><b><u>Re-Assessment of Additionality</u></b></p> <p>Based on the above, the programme remains additional as the change in the methodology does not affect additionality.</p> <p>The additionality does not need to be re-assessed at the programme renewal.</p> <p><b><u>Result of Additionality Re-Assessment</u></b></p> <p>The assessment team has arrived at the conclusion that the additionality of the project is not affected by the design changes carried out as a revision from the programme design as originally validated and registered.</p>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                   | <p><b>Scale of the Project activity</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                   | <p><b>Description:</b></p> <p>Please give a detailed regarding the effect of the changes on the scale of the PA (i.e. LSC or SSC).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>The scale of the PoA and VPAs is not changed, and the PoA boundary remains Kenya, Uganda and Tanzania</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                   | <p><b>Revised PoA-DD</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                   | <p><b>Rev. of PoA-DD:</b></p> <p>Check whether the changes have been fully addressed in a revised PDD. In this context pl. refer to</p> <ul style="list-style-type: none"> <li>- Changes in the effect-tive output capacity.</li> <li>- Addition of components or extension of technology</li> <li>- In case of multiple site projects: Removal or addition of sites</li> <li>- Operational parameters under the control of PPs differing from expected parameters</li> <li>- Changes to the baseline Meth (e.g. addition of a new Meth or change of the BL scenario.</li> <li>- Effects with regards to B, C and D above incl. compliance with the MP and level of accuracy and completeness of monitoring.</li> </ul> | <p><input checked="" type="checkbox"/></p> <p>The post registration change has correctly been reflected in the revised PoA-DD.</p> <p>The assessment has been made on the following:</p> <ol style="list-style-type: none"> <li>1. The consideration of relevant stakeholder feedback on the design change. No need to engage stakeholders as the technical design and implementation of the project remains unchanged.</li> <li>2. The impact on the baseline and additionality</li> <li>3. The adherence to the methodology applicability conditions by the PoA and VPAs under it. All VPAs will adhere to the monitoring requirements of the new methodology without deviation.</li> <li>4. The adherence to the CSA requirements</li> <li>5. The impact of the design changes on safeguarding principles assessment, SDG assessment, emissions reductions, monitoring, data quality, and potential risks.</li> <li>6. Compliance with the monitoring plan and the applied methodology, host country legislation and gender sensitivity requirements.</li> <li>7. Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the design certified monitoring plan,</li> <li>8. Update of the relevant eligibility criteria to make them more relevant</li> </ol> |
| <b>Findings</b>   | CL 01, CL 02, CL, 03, & CAR 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conclusion</b> | <p>Based on the above the changes to the project design of a registered project activity are in accordance with applicable validation requirements related to the changes to the project design of a registered Programme of Activities under the GS Validation &amp; Verification Standard.</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                   | <p><b>Traceability:</b></p> <p>Check if the PPs have provided a revised PDD in both clean and</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p><input checked="" type="checkbox"/></p> <p>The revised PoA-DD has been forwarded in (i) track-change and (ii) clean version.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|  |                                                                                          |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--|------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | track-change version.                                                                    |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <b>Prior approval:</b><br>Assess whether the change requires prior approval of the board | <input checked="" type="checkbox"/> | <p>The changes were not foreseeable at registration as this is a new GS methodology. Therefore, the changes begin at the second PoA crediting period and VPAs will undergo relevant updates to apply the new methodology, related tools and guidelines.</p> <p>The VVB can hence confirm that the changes conform to all GS4GG requirements and the PoA and would not adversely affect the conclusions of the validation report of the design certified PoA or VPAs</p> <p>Findings from previous verifications have also been considered and the level of accuracy will not be affected.</p> |
|  |                                                                                          | <input checked="" type="checkbox"/> | The post registration change requires prior approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**D.6. Addition of VPA inclusion template**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

**D.7. Change of coordinating/managing entity**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

**D.8. Changes specific to afforestation and reforestation activities**

|                            |                |
|----------------------------|----------------|
| <b>Means of validation</b> | Not Applicable |
| <b>Findings</b>            |                |
| <b>Conclusion</b>          |                |

**SECTION E. Internal quality control**

Before submission of the final assessment report a technical review is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the validation team and thus not involved in the decision-making process up to the technical review.

As a result of the technical review process the assessment opinion as prepared by the validation team leader may be confirmed or revised.

Furthermore, reporting improvements might be achieved.

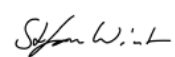
**SECTION F. Validation opinion**

The below listed changes have occurred after the registration of the project / PoA.

| <i>Type of Change occurred</i>                                                   | <i>Total No. of changes</i> | <i>No. of changes which require prior approval</i> |
|----------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|
| <input type="checkbox"/> Temporary deviations from the MP                        | -                           | -                                                  |
| <input type="checkbox"/> Temporary deviations from the MM                        | -                           | -                                                  |
| <input type="checkbox"/> Corrections that do not affect the project              | -                           | -                                                  |
| <input type="checkbox"/> Change to the start date of the crediting p.            | -                           | -                                                  |
| <input type="checkbox"/> Permanent changes from the MP                           | -                           | -                                                  |
| <input type="checkbox"/> Permanent changes from the MM                           | -                           | -                                                  |
| <input checked="" type="checkbox"/> Design changes to the project activity / PoA | 1                           | 1                                                  |
| <input type="checkbox"/> Changes specific to AR projects                         | -                           | -                                                  |

Both of the proposed changes requires prior approval by the GS.

Essen, 03/01/2024



Stefan Winter  
TÜV NORD JI/CDM CP  
Assessment Team Leader

**TÜVNORD**  
Digital  
unterschriften  
von Winter Stefan  
Datum:  
2023.09.14  
1120565 -007087

## Appendix 1. Abbreviations

| Abbreviations     | Full texts                                            |
|-------------------|-------------------------------------------------------|
| CAR               | Corrective Action Request                             |
| CDM               | Clean Development Mechanism                           |
| CER               | Certified Emission Reduction                          |
| CO <sub>2</sub>   | Carbon dioxide                                        |
| CO <sub>2eq</sub> | Carbon dioxide equivalent                             |
| CL                | Clarification Request                                 |
| DValR             | Draft Validation Report                               |
| ER                | Emission Reduction                                    |
| ERPA              | Emission Reduction Purchase Agreement                 |
| FAR               | Forward Action Request                                |
| GHG               | Greenhouse gas(es)                                    |
| GS4GG / GS        | Gold Standard for Global Goals                        |
| IM                | Interview Memo                                        |
| MP                | Monitoring Plan                                       |
| MR                | Monitoring Report                                     |
| PA                | Project Activity                                      |
| DD                | (Project) Design Document                             |
| PP                | Project Participant                                   |
| PoA               | Programme of Activity                                 |
| QA/QC             | Quality Assurance / Quality Control                   |
| UNFCCC            | United Nations Framework Convention on Climate Change |
| VVS               | (Gold Standard) Validation and Verification Standard  |
| VVB               | Validation and Verification Body                      |
| VT                | Verification / Validation Team                        |
| XLS               | Emission Reduction Calculation Spread Sheet           |

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

**TUVNORD**

**Statement of Competence**  
Appointment and authorization according to the procedures  
of the TÜV NORD J/CCDM Certification Program

**Mr. Stefan Winter**

| SCHEME      | STATUS   |               |                 |                     | VALID UNTIL |
|-------------|----------|---------------|-----------------|---------------------|-------------|
|             | Assessor | Lead Assessor | Senior Assessor | Host Country Expert |             |
| ISO 14064-2 |          |               | X               |                     | 2026-07-27  |
| VCS         |          |               | X               |                     | 2026-07-27  |
| GS4GG       |          |               | X               |                     | 2026-07-27  |
| UER         |          |               | X               |                     | 2026-07-27  |
| CDM         |          |               | X               |                     | 2026-07-27  |

Authorization status for technical areas within sectoral scopes:

| CODE | TECHNICAL AREA                         |
|------|----------------------------------------|
| 1.1  | Thermal energy generation              |
| 1.2  | Renewables                             |
| 2.1  | Energy distribution                    |
| 3.1  | Energy demand                          |
| 4.1  | Cement and lime production             |
| 4.2  | Paper                                  |
| 5.2  | Caprolactam, nitric and adipic acid    |
| 9.1  | Aluminium and magnesium production     |
| 9.2  | Iron, steel and Ferro-alloy production |

163 - Rev. 9, Date: 2023-08-11

Valid without signature

This document has been approved according to CERT-401-VA-007. Details are available from the QM-Department.

S01-VA060-F20 Rev. 04/02-23 Page 1 from 1

**TUVNORD**  
Certification

**Statement of Competence**  
Appointment and authorization according to the procedures  
of the TÜV NORD J/CCDM Certification Program

**Ms. Christina Stöhr**

| SCHEME            | STATUS                                                              | VALID UNTIL |
|-------------------|---------------------------------------------------------------------|-------------|
| CDM               | Senior Assessor<br>(Validation, Verification)<br>Technical Reviewer | 2026-05-05  |
| VCS / ISO 14064-2 | Senior Assessor/<br>Technical Reviewer                              | 2026-05-05  |

Authorization status for technical areas within sectoral scopes:

| CODE | TECHNICAL AREA             |
|------|----------------------------|
| 1.1  | Thermal energy generation  |
| 1.2  | Renewables                 |
| 13.1 | Solid waste and wastewater |

200 - Rev. 8 Date: 2023-06-07

200\_S01-VA060-F20\_2023\_06\_07\_rev.8 S01-VA060-F20 rev3 / 2012-10-25

**TUVNORD**  
Certification

**Statement of Competence**  
Appointment and authorization according to the procedures  
of the TÜV NORD J/CCDM Certification Program

**Mr. David Lubanga**

| SCHEME        | STATUS                                                                                                                                                  | VALID UNTIL |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CDM           | Senior Assessor<br>Technical Reviewer<br>Host Country Expert<br>(Kenya, Uganda, Rwanda,<br>Tanzania, Burundi, Mali, Nigeria<br>Ethiopia, Malawi, Ghana) | 2025-09-30  |
| Gold Standard | Senior Assessor<br>Technical Reviewer<br>Host Country Expert<br>(Kenya, Uganda, Rwanda,<br>Tanzania, Burundi, Mali, Nigeria<br>Ethiopia, Malawi, Ghana) | 2025-09-30  |

Authorization status for technical areas within sectoral scopes:

| CODE | TECHNICAL AREA |
|------|----------------|
| 1.2  | Renewables     |
| 3.1  | Energy demand  |
| 13.2 | Manure         |

251 - Rev. 12, Date: 2023-06-15

251\_S01-VA060-F20\_20230615\_rev12 S01-VA060-F20 rev3 / 2012-10-25

**TUVNORD**  
Certification

**Statement of Competence**  
Appointment and authorization according to the procedures  
of the TÜV NORD J/CCDM Certification Program

**Ms. Xue Jiao Fancy Zhao**

| SCHEME            | STATUS                                        | VALID UNTIL |
|-------------------|-----------------------------------------------|-------------|
| CDM               | Senior Assessor<br>(Validation, Verification) | 2025-04-30  |
| VCS / ISO 14064-2 | Senior Assessor                               | 2025-04-30  |

Authorization status for technical areas within sectoral scopes:

| CODE | TECHNICAL AREA                |
|------|-------------------------------|
| 1.1  | Thermal energy generation     |
| 1.2  | Renewables                    |
| 3.1  | Energy Demand                 |
| 8.1  | Mining and mineral production |
| 13.1 | Solid waste and wastewater    |
| 13.2 | Manure                        |

230 - Rev. 13, Date: 2023-06-06

230\_S01-VA060-F20\_2023-11-01\_rev13.doc S01-VA060-F20 rev3 / 2012-10-25

## Appendix 3. Documents reviewed or referenced

| No. | Author | Reference     | Title                                                                                                                                                                                                                                                                                                                                 | References to the document                                                                                                                                                                                         | Provider |
|-----|--------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1.  | GS     | <b>/METH/</b> | <ul style="list-style-type: none"> <li>Technologies and Practices to Displace Decentralized Thermal Energy Consumption' v3.1</li> <li>Methodology for animal manure management and biogas use for thermal energy generation V1.1</li> </ul>                                                                                           | <a href="#">Microsoft Word - 401.13 TPDDTEC V3.1 20170921 CLEAN.docx (goldstandard.org)</a><br><a href="#">Methodology for animal waste management and biogas application – Gold Standard for the Global Goals</a> | Other    |
| 2.  | GS     | <b>/CSA/</b>  | Community Services Activity Requirements, v1.2                                                                                                                                                                                                                                                                                        | <a href="https://globalgoals.goldstandard.org/201-ar-community-services-activity-requirements/">https://globalgoals.goldstandard.org/201-ar-community-services-activity-requirements/</a>                          | Other    |
| 3.  | GS     | <b>/DCR/</b>  | Design Change Requirements, v1.1                                                                                                                                                                                                                                                                                                      | <a href="https://globalgoals.goldstandard.org/201-ar-community-services-activity-requirements/">https://globalgoals.goldstandard.org/201-ar-community-services-activity-requirements/</a>                          | Other    |
| 4.  | VVB    | <b>/CPM/</b>  | TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                    | Other    |
| 5.  | IPCC   | <b>/IPCC/</b> | 2006 IPCC Guidelines for National Greenhouse Gas Inventories: work book                                                                                                                                                                                                                                                               | <a href="http://www.ipcc-nggip.iges.or.jp">www.ipcc-nggip.iges.or.jp</a>                                                                                                                                           | Other    |
| 6.  | UNFCCC | <b>/KPI/</b>  | Kyoto Protocol (1997)                                                                                                                                                                                                                                                                                                                 | <a href="http://unfccc.int/kyoto_protocol/items/2830.php">http://unfccc.int/kyoto_protocol/items/2830.php</a>                                                                                                      | Other    |
| 7.  | UNFCCC | <b>/MA/</b>   | Decision 3/CMP. 1 (Marrakesh – Accords)                                                                                                                                                                                                                                                                                               | <a href="http://cdm.unfccc.int/Reference/COPMOP/index.html">http://cdm.unfccc.int/Reference/COPMOP/index.html</a>                                                                                                  | Other    |
| 8.  | CME    | <b>/PDD/</b>  | Programme Design Document for GS project: "Sustainable Water Purification Programme, <ul style="list-style-type: none"> <li>version 07.0, dated 29/10/2015</li> <li>version 08.1, dated 29/06/2020</li> <li>version 09.0, dated 26/06/2023</li> <li>version 09.1, dated 14/09/2023</li> <li>version 09.2, dated 11/12/2023</li> </ul> | <a href="https://platform.sustaincert.com/public-project/2607">https://platform.sustaincert.com/public-project/2607</a>                                                                                            | CME      |
| 9.  | GS     | <b>/TA/</b>   | PoA/VPA Transition Annex                                                                                                                                                                                                                                                                                                              | <a href="https://platform.sustaincert.com/public-project/509">https://platform.sustaincert.com/public-project/509</a>                                                                                              | CME      |
| 10. | CME/GS | <b>/DEV/</b>  | Deviation Request                                                                                                                                                                                                                                                                                                                     | <a href="https://globalgoals.goldstandard.org/wp-content/uploads/DEV_237-Deviation-Request.pdf">https://globalgoals.goldstandard.org/wp-content/uploads/DEV_237-Deviation-Request.pdf</a>                          | CME      |
| 11. | GS     | <b>/gs/</b>   | Gold Standard for Global Goals                                                                                                                                                                                                                                                                                                        | <a href="https://www.goldstandard.org/">https://www.goldstandard.org/</a>                                                                                                                                          | Other    |
| 12. | CME    | <b>/abpl/</b> | Africa Bioenergy program                                                                                                                                                                                                                                                                                                              | <a href="https://africabioenergyprograms.org/about.html">https://africabioenergyprograms.org/about.html</a>                                                                                                        | Other    |
| 13. | GS     | <b>/VVS/</b>  | Gold Standard Validation & Verification Standard                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                    | Other    |
| 14. | GS     | <b>/em/</b>   | Email from GS, dated 05/06/2023                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                    | CME      |
| 15. | CME    | <b>/SDG/</b>  | SDG Impact Tool                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                    | CME      |

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

Table 1. CLs from this validation

|                                                                                                                                                                                            |                    |                                                                                                                                                |            |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|
| <b>CL ID</b>                                                                                                                                                                               | <b>01</b>          | <b>Section no.</b>                                                                                                                             | <b>A.6</b> | <b>Date: 07/08/2023</b> |
| <b>Description of CL</b>                                                                                                                                                                   |                    |                                                                                                                                                |            |                         |
| PDD version 9.0, Section A.6                                                                                                                                                               |                    |                                                                                                                                                |            |                         |
| The CME shall clarify if public funding for the PoA was provided by DGIS, as indicated in the latest approved PoA-DD v8.1 and explain why the same is now omitted.                         |                    |                                                                                                                                                |            |                         |
| <b>Project participant response (1<sup>st</sup> round)</b>                                                                                                                                 |                    |                                                                                                                                                |            | <b>Date: 14/08/2023</b> |
| ABPL did not receive public funding between 2019 and 2022, however this changed late 2022. The PoA-DD is updated accordingly and describes public funding received, both past and present. |                    |                                                                                                                                                |            |                         |
| <b>Documentation provided by project participant (1<sup>st</sup> round)</b>                                                                                                                |                    |                                                                                                                                                |            |                         |
| <input checked="" type="checkbox"/>                                                                                                                                                        | Changes in the PDD | Section(s):                                                                                                                                    | A.6        | New version No.: 9.1    |
| <input type="checkbox"/>                                                                                                                                                                   | Changes in MR      | Section(s):                                                                                                                                    |            | New version No.:        |
| <input type="checkbox"/>                                                                                                                                                                   | Changes in XLS     | Worksheet(s):                                                                                                                                  |            | New version No.:        |
| <input type="checkbox"/>                                                                                                                                                                   | Other:             |                                                                                                                                                |            |                         |
| <b>VVB assessment (1<sup>st</sup> round)</b>                                                                                                                                               |                    |                                                                                                                                                |            | <b>Date: 19/08/2023</b> |
| PDD version 9.1, Section A.6                                                                                                                                                               |                    |                                                                                                                                                |            |                         |
| The PDD has been updated to confirm that public funding from DGIS was provided from 2022.                                                                                                  |                    |                                                                                                                                                |            |                         |
| <b>Conclusion</b><br><i>Tick the appropriate checkbox</i>                                                                                                                                  |                    | <input type="checkbox"/> Additional action should be taken (finding remains open)<br><input checked="" type="checkbox"/> The finding is closed |            |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |            |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|
| <b>CL ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>02</b>          | <b>Section no.</b>                                                                                                                             | <b>B.1</b> | <b>Date: 07/08/2023</b> |
| <b>Description of CL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                                                                                                                                                |            |                         |
| PoA-DD version 9.0, Section B.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |            |                         |
| Please clarify how VER rights are transferred to the CME by the VPA Implementers, yet the VPA implementers are still able to sell the same.                                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                |            |                         |
| <b>Project participant response (1<sup>st</sup> round)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                |            | <b>Date: 14/08/2023</b> |
| The VERs will go directly to the CME who is the custodian of the carbon project and managing the registry, however the mandate to sell the VERs is vested on the VPA implementers in accordance with the mutual contract the CME has with the VPA implementers. A footnote is added on page 11 stating: A memorandum of understanding will define the conditions and roles of the CME and the VPA implementer. This will be tailored for the specific context in which the VPA operates and the capacity that the VPA implementer has. |                    |                                                                                                                                                |            |                         |
| <b>Documentation provided by project participant (1<sup>st</sup> round)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                |            |                         |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes in the PDD | Section(s):                                                                                                                                    | B.1        | New version No.: 9.1    |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes in MR      | Section(s):                                                                                                                                    |            | New version No.:        |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes in XLS     | Worksheet(s):                                                                                                                                  |            | New version No.:        |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Other:             |                                                                                                                                                |            |                         |
| <b>VVB assessment (1<sup>st</sup> round)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                                                                                                                                                |            | <b>Date: 19/08/2023</b> |
| PoA-DD version 9.1, Section B.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |            |                         |
| The statement has been revised and the relevant footnote added.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |            |                         |
| <b>Conclusion</b><br><i>Tick the appropriate checkbox</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    | <input type="checkbox"/> Additional action should be taken (finding remains open)<br><input checked="" type="checkbox"/> The finding is closed |            |                         |

|                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| <b>CL ID</b>                                                                                                                                                                                                                               | <b>03</b> | <b>Section no.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>B.3</b>           | <b>Date: 07/08/2023</b> |
| <b>Description of CL</b>                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| PoA-DD version 9.0, Section B.3                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| Eligibility criteria considered relevant such as 8, 13, 14, 16, & 17 have been excluded in the revised PoA-DD. A clarification is required                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| <b>Project participant response (1<sup>st</sup> round)</b>                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      | <b>Date: 14/08/2023</b> |
| <b>Condition</b>                                                                                                                                                                                                                           |           | <b>Assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                         |
| 8. The PoA-specific requirements stipulated by the CME including any conditions related to undertaking local stakeholder consultations and environmental impact analysis                                                                   |           | This requirement is a repeat of the GS requirements and not specific to this activity. Any VPA has to fulfil as per the PoA requirements and principles and requirements as basic eligibility criteria for GS registration.                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                         |
| 13. Where applicable, the requirements for the debundling check, in case VPAs belong to small-scale (SSC) or microscale project categories.                                                                                                |           | The debundling check is not required as the PoA only installed digesters up to 100 m <sup>3</sup> , and this is covered by requirement xii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                         |
| 14. The proposed VPA must ensure that sufficient training has been carried out to ensure the construction / installation of the biogas system is done by competent persons                                                                 |           | This is covered by criteria iv – where it shall be demonstrated that the technology is installed as per specifications. Only digesters can be included after commissioning. Moreover, the VPA implementer provides training of training biogas technicians to ensure continuous improvement in development of practical construction competencies – this is monitored with SDG4. In addition to this, each VPA implementer has a customer call centre or service centre for quality monitoring calls, a grievance register and develops a repair, maintenance, and training action plan that responds to grievances that require repairs. |                      |                         |
| 16. Priorconsideration of carbon revenues                                                                                                                                                                                                  |           | This requirement is a repeat of general GS requirements and not specific to this activity. Any VPA has to fulfil as per the PoA requirements and principles and requirements as basic eligibility criteria for GS registration. Including this in the VPA inclusion requirements is therefore duplication.                                                                                                                                                                                                                                                                                                                                |                      |                         |
| 17. Credit period length                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| With other words, the non-specific criteria have been removed as these are covered by the GS standard and were an unnecessary duplication. Only the specific requirements and those related to the applied methodology have been retained. |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| <b>Documentation provided by project participant (1<sup>st</sup> round)</b>                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| <input checked="" type="checkbox"/> Changes in the PDD                                                                                                                                                                                     |           | Section(s): B.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | New version No.: 9.1 |                         |
| <input type="checkbox"/> Changes in MR                                                                                                                                                                                                     |           | Section(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | New version No.:     |                         |
| <input type="checkbox"/> Changes in XLS                                                                                                                                                                                                    |           | Worksheet(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | New version No.:     |                         |
| <input type="checkbox"/> Other:                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| <b>VVB assessment (1<sup>st</sup> round)</b>                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      | <b>Date: 19/08/2023</b> |
| PoA-DD version 9.0, Section B.3                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| The exclusion of the eligibility criteria 8, 13, 14, 16, & 17 has been duly justified.                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                         |
| <b>Conclusion</b><br><i>Tick the appropriate checkbox</i>                                                                                                                                                                                  |           | <input type="checkbox"/> Additional action should be taken (finding remains open)<br><input checked="" type="checkbox"/> The finding is closed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                         |

Table 2. CARs from this validation

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |            |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|------------|-------------------------|
| <b>CAR ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>01</b> | <b>Section no.</b> | <b>All</b> | <b>Date: 07/08/2023</b> |
| <b>Description of CAR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                    |            |                         |
| PoA-DD version 9.0, Template                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                    |            |                         |
| The applied PoA-DD template v1.1 is not the latest and valid version.                                                                                                                                                                                                                                                                                                                                                                                                           |           |                    |            |                         |
| 1. The PP is required to adopt the latest template, and ensure all sections are completed as required by the GS PoA-DD template guide v2.2<br>2. The Design Change Memo shall be completed in Appendix 2<br>3. The CME shall provide the document in clean and tracked changes                                                                                                                                                                                                  |           |                    |            |                         |
| <b>Project participant response (1<sup>st</sup> round)</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                    |            | <b>Date: 14/08/2023</b> |
| This is not required and discussed with SC on the 7 <sup>th</sup> of June 2023. The SC response was not the same as advice earlier received, where it was stated that it is only possible to transition to PoA standard 2.0 with renewal instead it is now stated we can voluntarily adopt the newest standard. However, given that all documents were developed by that time, it was decided to stick to v1.1., which is allowed. The email evidence stating this is attached. |           |                    |            |                         |

| Documentation provided by project participant (1 <sup>st</sup> round)                                                                                                                                                       |                    |                                                                                                                                                |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <input checked="" type="checkbox"/>                                                                                                                                                                                         | Changes in the PDD | Section(s): All                                                                                                                                | New version No.: 9.1 |
| <input type="checkbox"/>                                                                                                                                                                                                    | Changes in MR      | Section(s):                                                                                                                                    | New version No.:     |
| <input type="checkbox"/>                                                                                                                                                                                                    | Changes in XLS     | Worksheet(s):                                                                                                                                  | New version No.:     |
| <input checked="" type="checkbox"/>                                                                                                                                                                                         | Other:             | File: SC 07June2023 communication on PoA standard adoption and template use                                                                    |                      |
| VVB assessment (1 <sup>st</sup> round)                                                                                                                                                                                      |                    |                                                                                                                                                | Date: 19/08/2023     |
| PoA-DD version 9.1, Template                                                                                                                                                                                                |                    |                                                                                                                                                |                      |
| The latest PoA-DD template is not applicable as explained and confirmed via an email from the GS <sup>em/</sup> . Template version 1.1. is still applicable. Therefore all above issues have been resolved or are obsolete. |                    |                                                                                                                                                |                      |
| <b>Conclusion</b><br>Tick the appropriate checkbox                                                                                                                                                                          |                    | <input type="checkbox"/> Additional action should be taken (finding remains open)<br><input checked="" type="checkbox"/> The finding is closed |                      |

| CAR ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 02                 | Section no.                                                                                                                                    | C                    | Date: 07/08/2023 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|
| Description of CAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |                      |                  |
| PoA-DD version 9.0, Section C                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                |                      |                  |
| The CME does not discuss the impact of the proposed permanent changes on the additionality of the PoA and VPAs as required by Section 4.2.1 of the Design Change Requirements v1.1                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                |                      |                  |
| Project participant response (1 <sup>st</sup> round)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                                                                                                                |                      | Date: 14/08/23   |
| This was discussed in the memo and this sentence is now added in the PoA-DD: <i>This version of the PoA-DD is the design change version in which a new methodology version and the SDG impact tool is adopted. Given that all conditions remain the same (implementer, technology, use of the technology (energy for cooking and bio-slurry as potent organic fertilizer) and the target group), no impact on additionality is expected.</i>                                                              |                    |                                                                                                                                                |                      |                  |
| Documentation provided by project participant (1 <sup>st</sup> round)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                                                                                                                                                |                      |                  |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes in the PDD | Section(s): C                                                                                                                                  | New version No.: 9.1 |                  |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes in MR      | Section(s):                                                                                                                                    | New version No.:     |                  |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes in XLS     | Worksheet(s):                                                                                                                                  | New version No.:     |                  |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Other:             |                                                                                                                                                |                      |                  |
| VVB assessment (1 <sup>st</sup> round)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                                                                                                                                                |                      | Date: 19/08/2023 |
| PoA-DD version 9.1, Section C                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                |                      |                  |
| No impact on additionality is expected due to the application of another methodology. The previous applied methodology and the now applied methodology had the same additionality requirements. Further, as per check of provided supporting documents, no changes to implementer, applied technology or use of technology has been identified. Hence, the additionality is not affected by this design change. The same is explained in the design change (DC) memo and in the PoA DC validation report. |                    |                                                                                                                                                |                      |                  |
| <b>Conclusion</b><br>Tick the appropriate checkbox                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | <input type="checkbox"/> Additional action should be taken (finding remains open)<br><input checked="" type="checkbox"/> The finding is closed |                      |                  |

Table 3. FARs from this validation

| FAR ID                        | - | Section no. | - | Date: DD/MM/YYYY |
|-------------------------------|---|-------------|---|------------------|
| Description of FAR            |   |             |   |                  |
| <i>Not applicable</i>         |   |             |   |                  |
| CME's response                |   |             |   | Date: DD/MM/YYYY |
|                               |   |             |   |                  |
| Documentation provided by CME |   |             |   |                  |
|                               |   |             |   |                  |
| DOE assessment                |   |             |   | Date: DD/MM/YYYY |
|                               |   |             |   |                  |