Validation report form for post-registration changes for GS programme of activities	
BASIC INFORMATION	
Title and GS reference number of the programme activity	Indonesia Domestic Biogas Programme of Activities (IDBP) GS ref. no: 1172
Process	Post Registration Changes Validation (PRCV)
Start Date of POA	24/10/2009
Date of Design Certification	21/10/2013
Start date of crediting cycle of PoA	31/05/2011
Version number of the validation report	1.1
Completion date of the validation report	28/11/2024
Type(s) of PRCs	☐ Permanent Changes ☐ Corrections ☐ Changes to the start date of the crediting period ☐ Update and/or permanent changes to design certified monitoring plan ☐ Changes to the project design ☒ Changes to PoAs and/or VPA
Version number of PoA-DD to which this report applies	0.4
Completion date of the PoA-DD	27/11/2024
Coordinating/managing entity	PT. Biru Karbon Nusantara
Project participants	Yayasan Rumah Energi
Host Party	Indonesia
Applied methodologies and standardized baselines	Technologies and Practices to Displace Decentralized Thermal Energy Consumption, Version 3.1 Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1
Activity Requirements applied	Community Services Activities
Other Requirements applied	Programme of Activities requirements and procedures
Product requirements applied	GHG Emissions Reductions & Sequestration
Conditional sectoral scopes, if applicable	N/A
Name and UNFCCC reference number of the DOE	AENOR CONFIA, S.A.U.

Name, position and signature of the approver of the validation report	Jose Luis Fuentes Climate Change Manager

SECTION A. Executive summary

>>

AENOR CONFIA S.A.U (AENOR) was contacted by the project participant (PP) Yayasan Rumah Energi (YRE) to perform in this report the Post Registration Changes Validation (PRCV) of the Programme of Activities (PoA) “Indonesia Domestic Biogas Programme of Activities” (PoA GS reference number: 1172).

Previously to the PRCV, AENOR was contracted by the same PP to undertake the validation for the renewal of the crediting period of the VPA-2 (GS reference number: 5303) for approximately 5 years (from 02/01/2024 to 01/01/2029 including both days). During this process, the PP incorporated in the crediting period renewal PDD, “20230915 VPA2 CP renewal_PDD_v.0.3” /2/, a more recent methodology applicable to the programme of activity “Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1” /14/, in addition to the “Technologies and Practices to Displace Decentralized Thermal Energy Consumption, Version 3.1” /15/. As this change in the methodology was not submitted along with the PoA, a PoA design change review is required and a new PoA-DD /1/ is submitted by the PP as a consequence, including the new methodology, so the VPA CP renewal can be validated for the submission process with GS, according to the GS Principles & Requirements, paragraph 5.1.47 /22/, which states that the Design Certification Renewal follows the same process as Validation and Design Review (Design Certification) though the scope of the assessment is limited to any GS activity, product and methodology-specific Requirements.

The validation has been performed through a process of document review based on the Key Project Information & Programme Design Document version 2.2 (hereafter referred to as PoA-DD) and the Design Change Requirements version 1.1 (paragraph 3.6.1-i) /16//24/, submitted for validation and the subsequent revisions, followed by resolution of outstanding issues and issuance of the validation report. It is noticeable that as the new updated PoA-DD is in line with a more recent template version, some sections have been updated as well with more detailed information, accordingly, as described in Section D.7. below.

The programme’s aim is to disseminate domestic biodigesters in Indonesia, as a local and sustainable energy source. These biodigesters are fed with a mixture of water and animal manure that is anaerobically digested, and the generated biogas is intended for use as fuel for cooking. The biodigester type implemented is the fixed-dome type, constructed with bricks and stone masonry.

As described in Section A.1. of the PoA-DD /1/, the IDBP started implementation of biodigesters on 24 October 2009 /40/, following an agreement reached between the Royal Netherlands Embassy to support the Indonesian Ministry of Energy and Mineral Resources in rolling out a national biodigester initiative. A first Voluntary Project Activity (VPA-1 GS1174) was retroactively included to cover the emission reductions that have been generated up to two years prior to the registration date of this PoA. In 2017, the second Voluntary Project Activity (VPA-2 GS5303) was included in the programme, accommodating all new digesters installed from 02/01/2017 onwards.

In addition, it is important to notice that the Coordinating/Managing Entity (CME) with which the first PoA-DD was approved on 21/10/2013 /39/, was the Dutch development organisation Hivos, which has been changed by PT. Biru Karbon Nusantara (PT. BKN). This has been notified and approved by letter to GS on October 13th, 2023 /30/, where PT. BKN became the new official project representative of the IDBP PoA and Yayasan Rumah Energi (YRE) as the PoA implementer. Upon sale of the biogas system, users will sign a Household Agreement, transferring the rights of the generated emission reductions to PT. BKN. The revenue generated from the subsequent sale of carbon credits will be used to subsidise the investment costs of the biodigesters, making them more affordable. Users will be provided with training on the use of the systems and the proper application of slurry to agricultural land. The unique serial number of each installation are recorded as proved by supporting documentation /7//33/.

The VPAs included in the PoA cover the installation of fixed-dome type biodigesters of up to and including 12m^3 in households that, before the implementation of the project activity, were using non-renewable biomass (NRB) and fossil fuels as their main source of cooking fuel (baseline). The biodigesters are fed with manure mixed with water, which undergoes anaerobic digestion and produces biogas that is channeled directly to a cook stove. This biogas produced replaces the combustion of NRB and fossil fuels, thereby reducing carbon dioxide (CO_2) emissions. The biodigesters also reduce methane (CH_4) emissions by diverting manure that would otherwise decompose without the capture and use of the methane (baseline).

The PoA-DD validation scope is defined as an independent and objective review of the revised GS4GG design document including any other relevant documentation. The information in these documents is reviewed against the following documents:

- GS4GG Principle & Requirements version 1.2 /22/
- GS4GG Programme of Activity Requirements and Procedures version 3.0 /23/
- GS4GG Design Change Requirements version 2.0 /24/
- GS4GG Validation & Verification Standard version 2.0 /18/

This report is based on the assessment of the project PoA-DD v0.4 /1/ with the inclusion of the new methodology “Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1”, and the VPA 2 CP Renewal PDD /2/, where the impacts of the methodology are reflected. The assessment has been undertaken through the desk review, follow up actions as electronic (telephone or e-mail) feedback with the PP and the review of the applicable approved methodological, relevant tools, guidance and GS decisions. This report validates the requirements of Gold Standard for the design change review.

The objective of this validation process is to have an independent third-party assessment of the changes to the PoA from the applied methodologies against the applicable GS requirements. In particular to assess the nature and impacts on the requirements for VVBs, described in the paragraph 4.1.1 of the Design Change Requirements /24/: a. Additionality of the project, b. Applicability of the methodology, c. Compliance with the monitoring plan and the applied methodology, d. Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the design certified monitoring plan, e. Scale of the project activity, f. Stakeholder consultation, g. Sustainable development criteria, h. Safeguarding assessment, and i. Legislation.

The scope of the validation includes the assessment of the monitoring plan /4-5//7-8//33/ against applicable methodological requirements to determine whether proposed change of the PoA applied the most conservative values approach referred to in the GS4GG Programme of Activity Requirements and Procedures, paragraphs 4.11.5 and 8.7.2 /23/, and GS4GG Design Change Requirements, paragraph 3.6.1 /24/.

For the validation of the post-registration changes to the registered GS programme of activity, the issuance track is used in accordance with paragraph 8 of the GS Design Change Requirements /24/. AENOR has performed the validation for the next request for issuance of VERs and also has assessed whether the post-registration changes comply with the relevant requirements.

The validation was performed through means of the following the requirements of GS4GG Validation and Verification Standard /18/, the applied methodology, and relevant GS rules. The process of the validation included:

i Review of data and information;
ii Cross checks between information provided in the PoA-DD and information from sources;
iii The resolution of outstanding issues;

In AENOR´s opinion the post registration changes validation correctly apply and meets the relevant GS requirements for the programme of activities and the relevant host country criteria.

SECTION B. Validation team, technical reviewer and approver

>>

B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader	IR	Gonzalez Toledo	Richard Daniel	AENOR	Yes	No	No	Yes
2.	Validator in trainee	IR	Rodrigo	Sergio	AENOR	Yes	No	No	Yes

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

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	Fuentes Perez	José Luis	AENOR
2	Approver	IR	Fuentes Perez	José Luis	AENOR

SECTION C. Means of validation

C.1. Desk/document review

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

- Appointment of team members and technical reviewers
- A desk review of the documentation registered submitted by the client and additional supporting documents.
- Follow up actions as electronic (telephone or e-mail) feedback with the PP
- Resolution of corrective actions (CARs / CLs)
- Final reporting
- Technical review
- Final approval.

A complete list of all documents reviewed is attached in Appendix 3 of this report.

C.2. On-site inspection

The on-site visit was not performed for the validation of the PRC, complying with the Gold Standard Validation & Verification Standard v2.0 Section 6.3.3 /18/, which specifies that the site visit is not mandatory. However, follow up actions as electronic (telephone or e-mail) feedback with the PP have taken place with YRE workers for the resolution of the findings phase (Appendix 4), detailed in section C.3 below.

C.3. Interviews

No.	Interviewee			Date	Location	Team member
	Last name	First name	Affiliation			
1.	Batur Romzini	Chabi (Bibah)	YRE	10/10/2024 – 12/11/2024	Remote	Richard Daniel Gonzales Toledo
2.	Bakhtary	Haseeb	ClimateFocus (Consultant)			
3.	Widoningtyas	Danastri	YRE			

Additionally, the audit team interviewed during the verification of VPA-2 in June 2023, a sample of the biodigester's owners regarding the following matters:

- Information received about the program prior to participating in it
- Signature of contract and voluntary participation
- Opinion on the project
- Participation in survey and trainings
- Use of biogas and any problems that might have been encountered
- SDG benefits
- Grievance mechanism

The results of the interviews in the previous verification provided insight on the programme and allowed to validate the information stated on the PoA-DD /4-5//7//10-11//27/.

C.4. Sampling approach

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N/A

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

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PoA-DD form	-	1	-
Permanent Changes	-	-	-
Corrections	-	-	-
Changes to the start date of the crediting period	-	-	-
Update and/or permanent changes to design certified monitoring plan	-	-	-
Changes to the project design	-	-	-
Changes to PoAs and/or VPA	1, 2 & 3	2	-
Others (please specify)	-	-	-
Total	**3**	**2**	**-**

SECTION D. Validation findings

D.1. Compliance with PDD form

Means of validation	The auditing team has determined whether the PoA-DD /1/ was completed using the valid version of the applicable PoA-DD form: "T-PreReview_V2.2_POA-Design-Document" /16/. The validation team has checked whether all the sections of the PoA-DD follow the guidelines provided in the template itself.

Findings	CAR 01 was raised due to gaps in the cover page, some dates, numbers of sections and detailed information described in the template were missing. Appendix 4 summarizes the findings from the desk review of the PoA-DD and other supporting documents.
Conclusion	PP has used the valid version of the PoA template prescribed by GS which is current and active. The PoA-DD has been prepared as per the instructions provided in the GS requirements. The validation team has concluded that the PoA-DD was completed using the valid version of the applicable GS-PoA form and is followed the guidelines given in the template.

D.2. Permanent Changes

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.3. Corrections

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.4. Changes to the start date of the crediting period

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.5. Update and/or permanent changes to design certified monitoring plan

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.6. Changes to the project design

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.7. Changes to PoA and/or VPA

Means of validation	During the auditing process to validate the renewal crediting period of the VPA-2 of "Indonesia Domestic Biogas Programme of Activities" (GS reference number 5303), for 5 years (from 02/01/2024 to 01/01/2029), it was identified that the project had incorporated a more recent methodology applicable to the programme of activity "Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1" /14/, in addition to the "Technologies and Practices to Displace Decentralized Thermal Energy Consumption, Version 3.1" /15/. However, the methodology had not been submitted along with the PoA, hence being required a PoA design change review, according to the GS Principles & Requirements, paragraph 5.1.47 /22/, which states that the Design Certification Renewal follows the same process as Validation and Design Review (Design Certification) though the scope of the assessment is limited to any GS activity, product and methodology-specific Requirements. Therefore, the PP has submitted an updated PoA-DD v0.4 for this validation process, in line with the last version available of the GS PoA Design Document Template, version 2.2 /16/, and incorporating the new methodology "Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1". This change to the PoA has been evaluated by the VVB to corroborate that there have not been changes on the baseline scenario, additionality, emission reductions, other SDG impact calculation and legislation on the project.

Although these changes are not significant due to the similarity of the methodology with the already considered GS "Technologies and Practices to Displace Decentralized Thermal Energy Consumption, Version 3.1", these have been described, analyzed and evaluated in the crediting period renewal PDD, "20230915 VPA2 CP renewal_PDD_v.0.3" /2/. On the other hand, these results have been summarized in the APPENDIX 2 - DESIGN CHANGES of the updated PoA-DD v0.4 provided by the PP /1/.

In addition, as a result of the update of the PoA-DD for this auditing process, the following sections have been modified with more detailed information to be aligned with the corresponding updated GS PoA template form v2.2:

- Key project information in the cover page: such as the Date of Design Certification and the start date of crediting cycle of PoA /39-40/.
- Section A.1. Purpose and general description of the PoA: Regarding the IDBP start implementation and the two Voluntary Project Activities (VPAs) included in the PoA since then, on one hand, and the transfer of the CME of the project from Hivos to PT. BKN, on the second hand /30/.
- Section A.4. Target/Indicator for each of the minimum three SDGs targeted by the PoA: Description and indicators proposed for the following SDGs: 13.2 on climate action, 1.1 on poverty, 2.4 on zero hunger, 5.4 and 5.5 on gender equality, 7.1 and 7.2 on affordable and clean energy and 8.3 on decent work and economic growth /5//8/.
- Section A.5. Coordinating/managing entity.
- Section A.6. Funding sources of PoA /1/:
    - From the Government of the United States between 2017 and 2018, through the Millennium Challenge Programme
    - Energising Development (EnDev) until December 2020, which is an energy access partnership currently financed by seven donor countries: the Netherlands, Germany, Norway, Australia, United Kingdom, Switzerland and Sweden.
    - Mostly carbon funds since 2021 and Corporate Social Responsibility (CSR) funds.
- Section B.2. Application of methodologies, with the conditions and their corresponding justifications on the included methodology "Methodology for animal manure management and biogas use for thermal energy generation", Version 1.1".
- Section B.2.1. Multiple technologies/measures, where it is described that the PoA shall use either the "Technologies and Practices to Displace Decentralized Thermal Energy, Version 3.1" or the "Methodology for Animal Manure Management and Biogas Use for Thermal Energy Generation, Version 1.1" for quantifying emissions. Each VPA must use only one of these methodologies to obliterate cross-effects from multiple methodologies. The CME also records the unique IDs of biodigesters installed under each VPA in the IDBP database /33/.
- Section B.3. Eligibility criteria for inclusion of a VPA in the PoA, on description and means of verification/supporting evidence for inclusion of the eligibility criterion of the following requirements:
    - As per GS4GG Principles and Requirements v1.2: types of projects, location of projects, project area, boundary and scale, host country requirements, contact details, legal ownership and other rights /22//37/.
    - As per Community Service Activity Requirements v1.2: types of projects, project area, boundary and scale and legal ownership /17/.
- Section E.3. Final Continuous Input / Grievance Mechanism at PoA Level.
- APPENDIX 1 – CONTACT INFORMATION OF COORDINATING/MANAGING ENTITY AND RESPONSIBLE PERSON(S) ENTITY(IES).

The validation team reviewed the PoA-DD v0.4, as well as the crediting period

	renewal PDD for VPA-2 (“20230915 VPA2 CP renewal_PDD_v.0.3”) and all the supporting documentation provided by the PP /26-40/, and confirms that the project is in compliance with the methodologies and tools applied, and all the GS principles and requirements /1-3//14-25/.
Findings	CAR 02 was raised due to Appendix 2 – Design Changes of the PoA-DD was incomplete. CL 01, 02 and 03 were raised to clarify if the VPA-2 Renewal PDD were the real case VPA-DD, and to validate the compliance of the PoA-DD with the methodology applied and the GS principles and requirements: Programme of activity requirements and procedures v3, Safeguarding Principles & Requirements v2.1, GS4GG Principles & Requirements v2.0, Deviation Approval Requirements and Procedures v2, GS4GG Design Change Requirements v2 and Methodology for animal manure management and biogas use for thermal energy generation v1.1. Appendix 4 summarizes the findings from the desk review of the PoA-DD and other supporting documents as well as findings from the interviews /2-13//26-27/.
Conclusion	In accordance with paragraph 7.3 of GS4GG Programme of Activity Requirements and Procedures /23/, paragraph 5.1.47 of the GS4GG Principles and Requirements /22/ and paragraph 3.6.1 of GS4GG Design Change Requirements /24/, AENOR determines that the change submitted by the project participant is in compliance with all the requirements for VVBs, described in the paragraph 4.1.1 of the Design Change Requirements: a. Additionality of the project, b. Applicability of the methodology, c. Compliance with the monitoring plan and the applied methodology, d. Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the design certified monitoring plan, e. Scale of the project activity, f. Stakeholder consultation, g. Sustainable development criteria, h. Safeguarding assessment, and i. Legislation. AENOR CONFIA confirms that all points have been evaluated, from paragraphs 4.2 to 4.8 from the Design Change Requirements, and the results are maintained, except for point 4.7 on the project parameters to be monitored, which results can be seen in Section B.6.2. of the VPA-2 CP Renewal PDD as the real case VPA-DD /2//1-13//26-40/. In addition, more detailed information on the assessment by the VVB is reflected in the corresponding Validation Report done by AENOR during the process of the crediting period renewal for the VPA-2 PDD /41/. Therefore, AENOR, is in accordance with paragraphs 6.3, 11 and 12 of the GS4GG Validation and Verification Standard /18/.

SECTION E. Internal quality control

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Following the completion of the assessment process by the validation team, all documentation undergoes an internal quality control through a technical review before submission to the Gold Standard. The technical reviewer is a qualified member of AENOR, independent from the team that carried out the validation of the post registration changes. The technical review team has collectively all the competence required including the technical area(s).

SECTION F. Validation opinion

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AENOR CONFIA has performed the validation of the post registration changes for the GS programme activity: “Indonesia Domestic Biogas Programme of Activities” (PoA GS reference number: 1172). The validation of the PRC was performed on the basis of GS criteria and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The validation of the PRC consisted of the desk review of the PoA-DD /1/, and the aspects described in paragraphs 4.2 – 4.8 from the Design Change Requirements v2.0 in the VPA-2 CP Renewal PDD /2//24/. The audit team deems correct the assessment of the PP on paragraph 7.3, description of implemented registered PoA and real case VPA, of the GS PoA requirements /23/

and confirm that the post-registration change will be submitted with the request of issuance of VERs under issuance track in accordance with paragraph 8 of the GS Design Change Requirements.

AENOR CONFIA planned and performed its work to obtain the information and explanations considered necessary to provide sufficient evidence to give reasonable assurance that the level of accuracy of GHG emission reductions is not adversely affect. This assessment included:

- Collection of evidence supporting the reported data.
- Checking whether the provisions in the provided documents were consistently and appropriately applied.

AENOR confirms, as per paragraphs from 6.3, 11 and 12 of GS4GG Validation and Verification Standard, that the cross check between information provided by the PP is feasible, correct and applies conservative assumptions, for the validation of the PoA and the real case VPA.

AENOR confirms that the change to the PoA complies with the relevant requirements in the GS4GG Programme of Activity Requirements and Procedures (paragraph 7.3), GS4GG Design Change Requirements (paragraph 3.6.1) and GS4GG Principles and Requirements (paragraph 5.1.47).

Richard Daniel GONZALEZ TOLEDO
Team Leader

Jose Luis FUENTES PEREZ
Climate change Manager

Appendix 1. Abbreviations

Abbreviations	Full texts
AENOR	AENOR CONFIA S.A.U.
BKN	Biru Karbon Nusantara
BUS	Biogas User Survey
CAR	Corrective action requests
CDM	Clean development mechansim
CL	Clarification
EF	Emissions factor
ER	Emission reduction
FAR	Forward action request
GHG	Greenhouse gas
GS	Gold Standard
GS4GG	Gold Standard for Global Goals
GWP	Global warming potential
IDBP	Indonesia Domestic Biogas Programme of Activities
IPCC	Intergovernmental Panel on Climate Change
IR	Internal resources
KPT	Kitchen Performance Test
LPG	Liquified petroleum gas
MP	Monitoring Period
MR	Monitoring Report
MW	Megawatt
N/A	Not applicable
PoA	Programme of activities
PDD	Project Design Document
PP	Project proponent
PRCV	Post Registration Change Validation

QA/QC	Quality assessment/quality control
SDG	Sustainable development goals
tCO2	Tons of Carbon Dioxide
TJ	Tera Joules
TPDDTECC	Technologies and Practices to Displace Decentralized Thermal Energy Consumption version 1
UNFCCC	United Nations Framework Convention on Climate Change
VER	Voluntary Emission Reduction(s)
VPA	Validated project design document
VPA-DD	Component project design document
VVB	Verification and Validation Bodies
YRE	Yayasan Rumah Energi

Appendix 2. Competence of team members and technical reviewers

CERTIFICATE OF QUALIFICATION

Subject: Validation and Technical Review Team for “Indonesia Domestic Biogas Programme of Activities (IDBP)”

Madrid, 28/11/2024

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the verification process of the above-mentioned project activity:

Name: Richard Daniel GONZALEZ TOLEDO
CDM team leader: Yes
CDM validator: N/A
CDM verifier: Yes
CDM technical reviewer: N/A
External technical expert: N/A
Technical areas related with the project activity: 1.2. Renewables



Jose Luis Fuentes
Climate change manager

CERTIFICATE OF QUALIFICATION

Subject: Validation and Technical Review Team for “Indonesia Domestic Biogas Programme of Activities (IDBP)”

Madrid, 28/11/2024

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the verification process of the above-mentioned project activity:

Name: Sergio RODRIGO SANTANO
CDM team leader: N/A
CDM validator: N/A
CDM verifier: Yes
CDM verifier in trainee: N/A
CDM technical reviewer: N/A
External technical expert: N/A
Technical areas related with the project activity: N/A



Jose Luis Fuentes
Climate change manager

CERTIFICATE OF QUALIFICATION

Subject: Validation and Technical Review Team for “Indonesia Domestic Biogas Programme of Activities (IDBP)”

Madrid, 28/11/2024

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the verification process of the above-mentioned project activity:

Name: Jose Luis FUENTES PEREZ
CDM team leader: N/A
CDM validator: N/A
CDM verifier: N/A
CDM technical reviewer: Yes
External technical expert: N/A
Technical areas related with the project activity: 1.2. Renewables



Jose Luis Fuentes
Climate change manager

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	PP	20241127 IDBP PoA-DD	Version 0.4	PP
2	PP	20230915 VPA2 CP renewal PDD	Version 0.3	PP
3	PP	20230829 ER Calculation VPA2 CP renewal	Version 0.2	PP
4	PP	430_V1.1_IQ_SDG-Impact-tool	2023	PP
5	PP	20230910 SDG outcomes	2023	PP
6	PP	20231006 - IDBP Employee List	2023	PP
7	PP	20230308 BUS Tabulation 2022	Version 1	PP
8	PP	20230308 SDG 2 calculation	2023	PP
9	PP	Biogas KPT & Non 2021	2021	PP
10	PP	20230215 IDBP Database VPA2	Version 1	PP
11	PP	Grievance mechanism	-	PP
12	PP	List of Grievances 2022	2022	PP
13	PP	20180407 KPT December 2017	2017	PP
14	GS	GS Methodology for Animal Manure Management and Biogas use for Thermal Energy Generation	Version 1.1	GS Website
15	GS	Technologies and Practices to Displace Decentralized Thermal Energy Consumption	Version 3.1	GS Website
16	GS	GS4GG “Template for Key Project Information & Programme Design Document (PoA-DD)”	Version 2.2	GS Website
17	GS	Gold Standard for the Global Goals, Community Services Activities Requirements	Version 1.2	GS Website
18	GS	GS4GG Validation and Verification Standard	Version 2.0	GS Website
19	GS	The Gold Standard Site Visit and Remote Audit Requirements and Procedures	Version 2.0	GS Website
20	GS	Stakeholder-Consultation-Requirements	Version 2.1	GS Website
21	GS	GS4GG Safeguarding Principles & Requirements	Version 2.1	GS Website
22	GS	GS4GG Principles & Requirements	Version 1.2	GS Website
23	GS	GS4GG Programme of Activity Requirements and Procedures	Version 3.0	GS Website
24	GS	GS4GG Design Change Requirements	Version 2.0	GS Website
25	AENOR	IE-DTC-039 - Validation, verification and certification of clean development mechanism	-	AENOR

		(CDM) project activities.		
26	PP	Crosstab BUS by Province_18May2016	2016	PP
27	AENOR	VR VPA2 GS5303	Version 4	AENOR
28	PP	Completion Report	28/11/2023	PP
29	PP	Household Agreement BKN	02/10/2023	PP
30	PP	Letter confirmation from GS_CME changes from YRE to BKN	13/10/2023	PP
31	BSP-Nepal	P Biogas as renewable energy 2005	July 2005	PP
32	PP	Quality Checklist	07/12/2023	PP
33	BIRU biogas rumah	User Manual (O&M)	September 2016	PP
34	PP	Email communication dated 11 April 2016 by Gold Standard	07/07/2023	PP
35	SNV	Feasibility of a national programme on domestic biogas in Indonesia. SNV.2009	January 2009	PP
36	Gold Standard	GS1172 PoA Passport_030413	2015	PP
37	Hivos geen grenzen aan mensen	ID1172 IDBP ODA Declaration Hivos 17 Jan 2012	17/01/2012	PP
38	Gold Standard	LSC Report IDBP PoA v.1.0	10/09/2024	PP
39	PP	GS 1172 PDD 21-10-2013	21/10/2013	PP
40	PP	(1)PDD 03.04.2013 v3.5	03/04/2013	PP
41	AENOR	T-PR V1.3-PDD GSID GS5303	Version 3	AENOR

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

Table 1. CLs from this validation

CL ID	**01**	**Date: 30/09/2024**
CL description		
Clarify if the real case VPA-DD is the VPA-2 CP Renewal PDD audited.		
Project proponent's response		**Date: 10/10/2024**
Yes, VPA-2 CP Renewal DD that is audited is the real case VPA-DD and will be submitted to the GS together with the PoA DD CP renewal.		
Documentation provided by the project proponent		
VVB's evaluation		**Date: 24/10/2024**
Issue clarified by the PP. **CL 01 can be closed.**		

CL ID	**02**	**Date: 30/09/2024**
CL description		
Clarify if the real case VPA-1 GS1174 included in the PoA-DD (page 3), comply with all the eligibility and inclusion criteria for the programme of activity requirements and procedures (p.4.12), according to the application of the "Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1".		
Project proponent's response		**Date: 10/10/2024**
VPA-1 GS1174 will still follow "Technologies and Practices to Displace Decentralised Thermal Energy Consumption (TPDDTEC) v3.1". Correction is made in the text on page 24 of PoA DD to reflect this.		
Documentation provided by the project proponent		
VVB's evaluation		**Date: 24/10/2024**
The PP has updated the PoA-DD according to the clarification provided, which is considered acceptable for the VVB. **CL 02 can be closed**.		

CL ID	**03**	**Date: 30/09/2024**

CL description
Clarify how the PoA meets the following paragraphs of the Programme of activity requirements and procedures v2.0: P.4.11.8.a, regarding the combination of methodologies applied and interaction between different VPAs. P.4.12.5, regarding the applied methodologies, separate real case VPA-DDs for each technology/measure, taking into account differences in the means of demonstration of additionality, GHG emission reduction or net anthropogenic GHG removal calculations, and monitoring methods applicable to the technologies/measures being implemented. P.4.7, regarding the Safeguarding Principles Assessment as per the "Safeguarding Principles & Requirements (v2.1)" at the VPA equivalent level. P.7.3.2 – a, regarding the monitoring report, if any, changes to the PoA or VPAs on temporary deviations from the registered monitoring plan, the applied methodologies, or the other applied methodological regulatory documents... P.8.7.2, regarding the approval of deviations(s) for the PoA and inclusion VPAs with Gold Standard, by following all applicable requirements and approval procedures prescribed in the "Deviation Approval Requirements and Procedures" (v1.2). See diagram of section 5 of the latter document. P.8.10.2, regarding the deviation request supported by documentation addressing the following elements of the PoA-DD and VPA-DD, (where submitted): Additionality, Baseline scenario, Emission reductions or other SDG Impact calculation (where applicable) and Legislation.

Project proponent's response	Date: 10/10/2024

Please see below clarifications:

P.4.11.8.a,:

VPA-1 and VPA-2 applies two different methodologies both included in the PoA-DD as a combination. Both VPAs implement the same technology as described in the PoA-DD and hence interact. But because of the introduction of "Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1" by Gold Standard and completion of VPA-2 CP, we use this methodology for VPA-2. And as VPA-1 CP will be over next year, we still can use the "Technologies and Practices to Displace Decentralised Thermal Energy Consumption (TPDDTEC) v3.1" methodology and move to "Methodology for animal manure management and biogas use for thermal energy generation, Version 1.1" in the next CP.

P.4.12.5:

The PoA implements the same technology/measure under both VPAs. Hence, only one real case VPA (VPA-2 DD) is prepared.

P.4.7

As per P.8.9.7, the scope of assessment of PoA Design Certification Renewal does not include Safeguarding Principles Assessment and is limited to:

1. Changes in the PoA/VPAs as related to the General Eligibility Criteria
2. Incorporation of any relevant updates to the Gold Standard Requirements
3. Re-definition of baseline scenario and any impact of change on the eligibility principles, criteria and requirements
4. Any Gold Standard activity, product and methodology-specific requirements
5. Demonstration of Ongoing Financial Need, where relevant – see Ongoing Financial Need

P.7.3.2

This seems to apply to the monitoring report and not to PoA DD. In the respective monitoring reports under the renewed PoA DD, we will include the changes made in the PoA DD.

P.8.7.2

As we are applying for a PoA CP renewal and not a temporary design change or deviation, P.8.7.2 does not apply.

P.8.10.2 As we are applying for a PoA CP renewal and not a temporary design change or deviation, P.8.10.2 does not apply. Also, P.8.10.2 applies to multi-country PoAs while IDBP PoA is implemented only in Indonesia.
Documentation provided by the project proponent

VVB's evaluation	**Date: 24/10/2024**
All the issues have been clarified by the PP, except the application of a Design Change Request where appendix 2 of the PoA-DD shall be filled, demonstrating compliance with section 4.1.1 of the GS Design Change Requirements v1.1. CL 03 is still open.	
Project proponent's response	**Date: 30/10/2024**
Appendix 2 – Design Changes is now filled out.	
VVB's evaluation	**Date: 12/11/2024**
PP has filled in summary appendix 2 of the design changes report appropriately. The in-depth evaluation is carried out in the "20230915 VPA2 CP renewal_PDD_v.0.4". **CL 03 can be closed**.	

Table 2. CARs from this validation

NC/CAR id.	**01**	**Date: 30/09/2024**
NC/CAR description		
The following sections of the IDBP PoA-DD have not been completed in accordance with GS template (T-PreReview_V2.2_POA-Design-Document): 1. Date of Design Certification is pending to be filled in the cover page. 2. Completion date of the PoA-DD is pending to be filled in the cover page. 3. Some numbers of section A and B are not consistent with the template. 4. There is missing detailed information in Section B.3. regarding the following: e. Conditions to check the start dates of VPA through documentary evidence; h. Condition to ensure that the real case VPA and its regular VPAs meet the applicability criteria of selected methodology of combination of methodologies; i. Conditions to ensure that real case and its regular VPAs systematically demonstrate additionality in accordance with Principles & Requirements. 5. Instructions of the template are incorrectly displayed in the PoA-DD.		
Project proponent's response		**Date: 10/10/2024**
1. Date of design certification is added. *2. Date added* *3. Numbers are now fixed.* *4. Please see below:*		

e. This is now added.

h. This is included in Section C. Cross-reference is added under B.3.

i. These conditions are explained under section B.2. Cross-reference is added under B.3.

5. Instructions are now removed.

Documentation provided by the project proponent

VVB's evaluation	**Date: 24/10/2024**

1. Corresponding date filled.
2. Corresponding date filled.
3. Sections of the PoA-DD have been updated according to the template.
4. Indicated conditions of the template have been added and appropriately assessed by the PP in Section B.3. of the report.
5. Instructions of the template have been appropriately removed from the PoA-DD updated.

Therefore, CAR 01 can be closed.

NC/CAR id.	02	Date: 30/09/2024
NC/CAR description		
Appendix 2 – Design Changes is incomplete and the PP has not provided justifications in the PoA-DD.		
Project proponent's response		Date: 10/10/2024
As this is a PoA CP renewal and not a design change request, Appendix 2 will not need to be filled.		
Documentation provided by the project proponent		
VVB's evaluation		Date: 24/10/2024
According to the guideline template for Appendix 2: "In the below section, the project developer shall provide the description of the changes that might impact to the different aspects." The audit team, considering p.8.9.7 of the GS PoA-d requirements and procedures (v2.0), section 3.1.1 of the GS Design Change Requirements v1.1 and previous communications with the PP, conclude that although indeed this is a PoA CP renewal, there is a significant change on the PoA-DD that requires a design change request, hence appendix 2 of the PoA-DD shall be completed complying with section 4.1.1 of the GS Design Change Requirements v1.1. CAR 02 is still open.		
Project proponent's response		Date: 30/10/2024
Appendix 2 – Design Changes is now filled out.		
VVB's evaluation		Date: 12/11/2024
PP has filled in summary appendix 2 of the design changes report appropriately. The in-depth		

evaluation is carried out in the "20230915 VPA2 CP renewal_PDD_v.0.4". **CAR 02 can be closed.**