



POA FINAL VALIDATION REPORT

WAYCARBON SOLUÇÕES AMBIENTAIS E
PROJETOS DE CARBONO LTDA.

GRID CONNECTED ELECTRICITY GENERATION
FROM WIND SOURCE UNDER PROGRAMME OF
ACTIVITIES IN BRAZIL

Report No: 8876 – 12/202

Date: 2012-11-14

TÜV NORD CERT GmbH
JI/CDM Certification Program
Langemarckstraße, 20
45141 Essen, Germany
Phone: +49-201-825-3335
Fax: +49-201-825-2139
www.tuev-nord.de
www.global-warming.de

PoA Validation Report:	Report No.	Rev. No.	Date of 1st issue:	Date of this rev.
	8876 – 12/202	0.1a	2012-05-10	2012-11-14
PoA:	Title:	Initial PoA-DD Version:	Final PoA-DD Version	
	Grid connected electricity generation from wind source under Programme of Activities in Brazil	2012-04-13 – v. 01	2012-10-10 – v. 04a	
Generic CPA:	Title:	Initial generic CPA-DD Version:	Final generic CPA-DD Version:	
	Generic component project activity	2012-04-13 – v. 01	2012-10-10 – v. 04a	
Project Participant(s):	Non-Annex 1 country:	Annex 1 country:		
	Brazil	-		
	PP from Non-Annex 1 country:	PP from Annex 1 country:		
	WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.	-		
	Coordinating Managing Entity			
	WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.			
Applied methodology/ies:	Title:	No.:	Scope / TA:	
	Consolidated baseline methodology for grid-connected electricity generation for from renewable sources	ACM0002 ver. 12.3.0	1 / 1.2	
Validation team / Technical Review and Final Approval	Validation Team:	Technical review:	Final approval:	
	Ricardo Lopes (Team Leader) Sergio Cruz (Team Member)	Emilio Martin David Lubanga	Jochen Schubert	
Expected Emission reductions: [t CO₂e]	Expected emission reductions over the first crediting period:	(Expected) project starting date:		
	272,852 tCO ₂ e	2013 -02-01		
Confidential content:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Key dates of validation:	Publication of PDDs:	Draft Report issued:	On-site (from):	On-site (to):
	2012-04-20	2012-05-11	2012-05-07	2012-05-11
Summary of Validation Opinion:	<p>In detail the conclusions can be summarized as follows:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The PoA is in line with all relevant host country criteria (Brazil) and all relevant UNFCCC requirements for CDM. At the time of the completion of the validation, the LoA was pending. For the Brazilian DNA, a positive validation opinion is a prerequisite for the host government approval and thus the LoA could not be considered at rev. 0.1 of the validation stage. The LoA has been issued on 2012-11-09. Changes of this revision 0.1a are only made regarding the LoA assessment in section 5.8.2. <input checked="" type="checkbox"/> The PoA additionality is sufficiently justified in the PoA-DD. <input checked="" type="checkbox"/> The eligibility criteria established for CPA inclusion are deemed appropriate and sufficient. <input checked="" type="checkbox"/> The monitoring plan is transparent and adequate. <input checked="" type="checkbox"/> All information has been consistently applied in the generic CPA-DD form. <input checked="" type="checkbox"/> The conclusions of this report show, that the PoA, as it was described in the project documentation, is in line with all criteria applicable for the validation. 			
Document information:	Filename:			No. of pages:
	2012-11-14 Final PoA Rep_PoA_WayCarbon_post LoA.doc			124

Abbreviations

ANEEL	Brazilian Electricity Regulatory Agency
BAU	Business as usual
BNDES	National Bank for Social Economic Development
CAR	Corrective Action Request
CCEE	Chamber of Commerce of Electric Energy
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CME	Coordinating / Managing Entity
CO₂	Carbon dioxide
CO₂e	Carbon dioxide equivalent
CONAMA	National Environmental Council
CP	Certification Program
CPA	Component Project Activity
CPA-DD	Component Project Activity Design Document
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	CDM Executive Board
EIA	Environmental Impact Assessment
ELETRORÁS	National Electric Utility Company (State Owned)
EPE	Energetic Research Enterprise (National Energy Balance)
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GSCP	Global Stakeholder Consultation Process
IEE	Electric Power Index
IPCC	Intergovernmental Panel on Climate Change
PoA	Programme of Activities
PoA-DD	Programme of Activities Design Document
PPA	Power Purchase Agreement
QC/QA	Quality control/Quality assurance
RAS	Simplified Environmental Report
SIN	National Interconnected System
TFSEE	Tariff of Electric Energy Services Inspection
TUST	Tariff of the Use of the Transmission System
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

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1 OBJECTIVE / SCOPE

The purpose of a PoA validation is to have an independent third party assess the project design. In particular the project's baseline, the monitoring plan (MP), and the project's compliance with

- the requirements of Article 12 of the Kyoto Protocol;
- the CDM modalities and procedures as agreed in the Marrakech Accords under decision 3/CMP.1
- the annex to the decision;
- subsequent decisions made by COP/MOP & CDM Executive Board and
- other relevant rules, including the host country legislation and sustainability criteria

are validated in order to confirm that the programme design as documented is sound and reasonable and meets the stated requirements and identified criteria. Validation is seen as necessary to provide assurance to stakeholders on the quality of the project and its intended generation of certified emission reductions (CERs).

The validation scope is given as a thorough independent and objective assessment of the programme design including especially: the correct application of the methodology, the programme's baseline study, additionality justification, local stakeholder commenting process, environmental impacts and monitoring plan, which are included in the PoA-DD and other relevant supporting documents, to ensure that the proposed CDM programme activity meets all relevant and applicable CDM and PoA criteria.

The information included in

- the completed Clean Development Mechanism Programme of Activities Design Document Form (the "CDM-PoA-DD") incl.
 - Part I: Programme of Activities (PoA) and
 - Part II: Generic Component Project activity (CPA)
- one completed real case CDM-CPA-DD (the "Real-Case CDM-CPA-DD"), and
- the relevant supporting documents

was reviewed against the requirements as set out by the UNFCCC. The validation team has, based on the requirements in the Validation and Verification Standard^{VVS/}, carried out a full assessment of all evidence to assess the compliance of the programme with the key areas as outlined in section VII. and VIII.F of the VVS (version 02.0, EB 65) as well as the Standard for Demonstration of additionality, development of Eligibility Criteria and Application of Multiple Methodologies for Programme of activities^{PS/}.

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

2 POA DESCRIPTION

2.1 PoA Characteristics

Essential data of the PoA is presented in the following Table 2-1.

Table 2-1: PoA / rcCPA Characteristics

Item	Data		
PoA title	Grid connected electricity generation from wind source under Programme of Activities in Brazil		
Generic CPA title	Generic component project activity		
1 st CPA (real case) title	Marco dos Ventos I Wind Power Plant		
PoA size	<input checked="" type="checkbox"/> Large Scale <input type="checkbox"/> Small Scale		
PoA Scope (according to UNFCCC sectoral scope numbers for CDM)	<input checked="" type="checkbox"/>	1	Energy Industries (renewable- /non-renewable sources)
	<input type="checkbox"/>	2	Energy distribution
	<input type="checkbox"/>	3	Energy demand
	<input type="checkbox"/>	4	Manufacturing industries
	<input type="checkbox"/>	5	Chemical industry
	<input type="checkbox"/>	6	Construction
	<input type="checkbox"/>	7	Transport
	<input type="checkbox"/>	8	Mining/Mineral production
	<input type="checkbox"/>	9	Metal production
	<input type="checkbox"/>	10	Fugitive emissions from fuels (solid, oil and gas)
	<input type="checkbox"/>	11	Fugitive emissions from production and consumption of halocarbons and hexafluoride
	<input type="checkbox"/>	12	Solvents use
	<input type="checkbox"/>	13	Waste handling and disposal
	<input type="checkbox"/>	14	Afforestation and Reforestation
	<input type="checkbox"/>	15	Agriculture
Applied Methodology/ies	ACM0002 ver. 12.3.0 – Consolidated baseline methodology for grid-connected electricity generation for from renewable sources		
Technical Area(s)	1.2 – Renewable Energies		
Starting date of the PoA	2013-02-01		
CPA Crediting period	<input checked="" type="checkbox"/> Renewable Crediting Period (7 y) <input type="checkbox"/> Fixed Crediting Period (10 y)		
Start of crediting period of 1 st (real case) CPA	2016-01-01		
Estimated tCO ₂ e reductions of the 1 st CPA over the 1 st crediting period	Annual average	38,979 tCO ₂ e	
	Total estimation over the 1 st crediting period	272,852 tCO ₂ e	

2.2 Involved Parties, Coordinating / managing entity(ies), Project Participants of the PoA and operators of individual CPAs

The following parties to the Kyoto Protocol and project participants are involved in this PoA (Table 2-2).

Table 2-2: PoA Parties and project participants

	Name of Party/ies	Name of the Entity/ies	Private or Public	CME
Host Country	Brazil	WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.	Private	<input checked="" type="checkbox"/>

2.3 Characteristics of rcCPA

The details of the 1st real case CPA is listed in table 2-3.

Table 2-3: Characteristics of rcCPA

No.	CPA Details
CPA No.:	01
CPA title:	Marco dos Ventos I Wind Power Plant
CPA Host Country / Region:	Brazil - Northeast
Operator / Implementer:	WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. Bioenergy – Geradora de Energia S. A.
CPA location / address:	City of Tutóia – State of Maranhão
Geographical coordinates:	Latitude: 02° 45' 24".9749 S Longitude: 42° 22' 23".2471 W

2.4 Technical Programme Description

The proposed Programme of Activities may be composed of Component Programme Activities (CPAs) that consist of a grid connected wind electricity generation facility which can be:

- a. the implementation of new power plant(s) – Greenfield project;
- b. the capacity addition by means of the installation of power plants/units besides or additional to existing power plants/units;
- c. the retrofit of an existing plant (s); *or*
- d. the replacement of an existing plant (s).

3 METHODOLOGY AND VALIDATION SEQUENCE

3.1 Validation Steps

The validation of the PoA consisted of the following steps:

- Contract review
- Appointment of team members and technical reviewers
- Publication of the following programme documents:
 - the **CDM-PoA-DD (incl. generic CDM-CPA-DD)**
 - the **Real-Case CDM-CPA-DD**
- Desk review of the abovementioned PDDs and supporting documents
- Validation planning
- On-Site assessment
- Background investigation and follow-up interviews with personnel of the project developer and its contractors
- Draft validation reporting
- Resolution of corrective actions (if any)
- Final validation reporting
- Technical review
- Final approval of the validation

Table 3-1: Validation sequence

Topic	Time
Assignment of validation	2012-04-11
PoA-DD and CPA-DDs global stakeholder commenting period	2012-04-20 - 2012-05-19
Visit at PP's office (*)	2012-05-07 to 11
Draft reporting finalized	2012-05-09
Final reporting finalized	2012-07-02
Technical review on final reporting finalized	2012-04-11 - 2012-07-02
Final report after DNA's requests	2012-10-10
Final report with LoA assessment	2012-11-14

(*) as a greenfield project, the on site visit was not carried out.

3.2 Contract review

To assure that

- the PoA falls within the scopes for which accreditation is held,
- the necessary competences to carry out the validation can be provided,
- Impartiality issues are clear and in line with the CDM accreditation requirements

a contract review was carried out before the contract was signed.

3.3 Appointment of team members and technical reviewers

On the basis of a competence analysis and individual availabilities, a validation team, consisting of one team leader and 01 additional team member, as well as the Technical Review personnel, was appointed.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the table 3-2 below.

Table 3-2: Involved Personnel

	Name	Company	Function ¹⁾	Qualification Status ²⁾	Scheme competence ³⁾	Technical competence ⁴⁾	Verification competence ⁵⁾	Host country Competence	On-site visit
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Ricardo Lopes	BRTÜV,	TL ^{A)}	LA	<input checked="" type="checkbox"/>	1.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Sergio Cruz	BRTÜV	TM ^{A)}	A	<input checked="" type="checkbox"/>	1.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Emilio Martin	TÜV NORD CERT GmbH	TR ^{B)}	LA	<input checked="" type="checkbox"/>	1.2.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	David Lubanga	TÜV NORD CERT GmbH	OR ^{B)}	T	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	-
<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Jochen Schubert	TÜV NORD CERT GmbH	FA ^{B)}	SA	<input checked="" type="checkbox"/>	1.2.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-

¹⁾ TL: Team Leader; TM: Team Member, TR: Technical review; OT: Observer-Team, OR: Observer-TR; FA: Final approval

²⁾ GHG Auditor Status: A: Assessor; LA: Lead Assessor; SA: Senior Assessor; T: Trainee; TE: Technical Expert

³⁾ GHG auditor status (at least Assessor)

⁴⁾ As per S01-MU03 or S01-VA070-A2 (such as 1.1, 1.2, ...)

⁵⁾ In case of verification projects

- A) Team Member: GHG auditor (at least Assessor status), Technical Expert (incl. Host Country Expert or Verification Expert), not ETE
B) No team member

All team members contributed to the review of documents, the assessment of the programme activity and to the preparation of this report under the leadership of the team leader.

Technical Experts contributed to the assessment of special aspects of the programme activity, e.g. technical or host country aspects.

Statements of competence for the above mentioned team members are enclosed in annex 8 of this report.

3.4 Consideration of Public Stakeholder Comments

Acc. to the modalities and procedures the draft PoA-DDs, as received from the project participants, have been made publicly available on the dedicated UNFCCC CDM website prior to the commencement of the validation activity. Stakeholders have been invited to comment on the PoA-DDs within the 30 days public commenting period (2012-04-20 – 2012-05-19).

In case comments are received, they are taken into account during the validation process. The comments and the discussion of the same are documented in annex 6 of this report.

3.5 Validation Protocol

In order to ensure consideration of all relevant assessment criteria, a validation protocol is used. The protocol shows, in a transparent manner, criteria and requirements, means of validation and the results from validating the identified criteria. The validation protocol reflects the generic CDM requirements each CDM project has to meet as well as PoA specific issues as applicable. The validation protocol serves the following purposes:

- It organizes, details and clarifies the requirements that a CDM PoA is expected to meet;
- It ensures a transparent validation process where the validating entity will document how a particular requirement has been validated and the result of the determination.

The validation protocol is described in Figure 1.

Validation Protocol Table A-1: Requirement checklist				
Checklist Item	Reference	Validation Team Comment	Draft Conclusion	Final Conclusion
<i>The checklist items in Table A-1 are linked to the various requirements the project should meet. The checklist is organized in various sections. Each section is then further sub-divided as per the requirements of the topic and the individual project activity.</i>	<i>Gives reference to the information source on which the assessment is based on</i>	<i>The section is used to elaborate and discuss the checklist item in detail. It includes the assessment of the validation team and how the assessment was carried out. The reporting requirements of the VVS shall be covered in this section.</i>	<i>Assessment based on evidence provided if the criterion is fulfilled (OK), or a CAR, CL or FAR (see below) is raised. The assessment refers to the draft validation stage.</i>	<i>In case a corrective action or a clarification the final assessment at the final validation stage is given.</i>

Figure 1: Validation protocol table

The completed validation protocol is enclosed in Annex 1 to this report.

3.6 Review of Documents

The published PoA-DDs and supporting background documents related to the programme design and baseline were reviewed.

Furthermore, the validation 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.

3.7 Site Visit and Follow-up Interviews

Due to the fact that it is a greenfield project a site visit was not carried out. All relevant project documentation has been provided in the PP's offices.

During validation the validation team has performed interviews to confirm selected information and to resolve issues identified in the document review. The main topics of the interviews are summarized in table 3-3.

Table 3-3: Interviewed persons and interview topics

Interviewed Persons / Entities	Interview topics
Project proponent representatives Project consultant Government representatives Stakeholders	<ul style="list-style-type: none"> - Chronological description of the programme activity with documents of key steps of the implementation. - Current status of programme design - Technical details of the programme realization, programme feasibility, designing, operational life time, monitoring of the programme

Interviewed Persons / Entities	Interview topics
	<ul style="list-style-type: none"> - Host Government Approval - Approval procedures and status - Monitoring and measurement equipment and system. - Financial aspects - Crediting period - Programme activity starting date - CER allocation / ownership - Baseline study assumptions - Additionality - Sustainable development issues - Monitoring of CPAs - Analysis of local stakeholder consultation - Roles & responsibilities of the project participants w.r.t. project management, monitoring and reporting - National Legislation - Editorial issues of the PoA-DD and CPA-DD

A comprehensive list of all interviewed persons is part of section 7 'References'.

3.8 Project comparison

The validation team has compared the proposed CDM PoA with similar PoA or CDM projects or technologies that have similar or comparable characteristics and with similar projects in the host country in order to achieve additional information esp. regarding:

- Programme technology
- Additionality issues
- Reasons for reviews, requests for reviews and rejections within the CDM registration process.

3.9 Resolution of Clarification and Corrective Action Requests

3.9.1 Definition

A **Corrective Action Request (CAR)** will be established where:

- mistakes have been made in assumptions, application of the methodology or the programme documentation which will have a direct influence the programme results,

- the requirements deemed relevant for validation of the PoA with certain characteristics have not been met or
- there is a risk that the PoA would not be registered by the UNFCCC or that emission reductions would not be able to be verified and certified.

A **Clarification Request (CL)** will be issued where information is insufficient, unclear or not transparent enough to establish whether a requirement is met.

A **Forward Action Request (FAR)** will be issued when certain issues related to project implementation should be reviewed during the first verification.

3.9.2 Draft Validation Reporting

After reviewing all relevant documents and taking all other relevant information into account, the validation team issues all findings in the course of a draft validation report and hands this report over to the project proponent in order to respond on the issues raised and to revise the programme documentation accordingly.

3.9.3 Final Validation Reporting

The final validation starts after issuance of the proposed corrective action (CA) of the CARs, CLs and FARs by the project proponent. The project proponent has to reply on those and the requests are “closed out” by the validation team in case the response is assessed as sufficient. In case of raised FARs the project proponent has to respond on this, identifying the necessary actions to ensure that the topics raised in this finding are likely to be resolved at the latest during the first verification. The validation team has to assess whether the proposed action is adequate or not.

In case the findings from CARs and CLs cannot be resolved by the project proponent or the proposed action related to the FARs raised cannot be assessed as adequate, no positive validation opinion can be issued by the validation team.

The CAR(s) / CL(s) / FAR(s) are documented in chapter 4.

3.10 Technical review

Before submission of the final validation report a technical review of the whole validation procedure is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this PoA 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 validation opinion and the topic specific assessments as prepared by the validation team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

3.11 Final approval

After successful technical review of the final report an overall (esp. procedural) assessment of the complete validation will be carried out by a senior assessor located in the accredited premises of TÜV NORD.

Only after this step the request for registration can be started (in case of a positive validation opinion).

4 VALIDATION FINDINGS

In the following table the findings from the desk review of the published PoA-DD and generic CPA-DD, visits, interviews and supporting documents are summarized:

Table 4-1: Summary of CARs, CLs and FARs issued

Validation topic ¹⁾	No. of CAR	No. of CL	No. of FAR
Part A: CDM-PoA-DD			
Description of project activity (PoA-A): <ul style="list-style-type: none"> - PoA and CPA specification - Technical PoA and CPA description - CPA Eligibility criteria - Project Participants Technologies and/or measures 	-	-	-
Application of selected approved baseline and monitoring methodology (PoA-B) <ul style="list-style-type: none"> - Application of the Methodology to the PoA and a typical CPA - Programme Boundary and locations - Baseline identification - Calculation of GHG emission reductions <ul style="list-style-type: none"> Project emissions Baseline emissions Leakage - Additionality determination of the PoA - Monitoring Methodology - Monitoring Plan - Project management planning 	01	01	-
Duration and Crediting Period of the PoA (PoA-C)	01	-	-
Environmental impacts (PoA-D)	-	-	-
Local Stakeholder Consultation (PoA-E)	-	-	-
Approval, Authorization and other aspects (PoA-F): <ul style="list-style-type: none"> - Letter of Approval - Contribution to sustainable development - MoC - PoA-DD editorial aspects 	-	-	-

Validation topic ¹⁾	No. of CAR	No. of CL	No. of FAR
Part B: Generic CDM-CPA-DD			
Overall Consistency with finalized PoA-DD			
General description of the CPA (CPA-A) - Responsible entity/individual for the CPA - Identification and description of the CPA - Technical description of the CPA	-	01	-
Eligibility of CPA and Estimation of Emission Reductions (CPA-B) - CPA reference to the PoA - Justification to CPA inclusion eligibility criteria - Demonstration of CPA additionality - Confirmation of CPA boundary - CPA Emission Reduction - CPA Monitoring Plan	-	05	-
Duration and Crediting Period of the CPA (CPA-C)	-	-	-
Environmental impacts (CPA-D)	-	-	-
Local Stakeholder Consultation (CPA-E)	-	-	-
SUM	02	07	-

¹⁾ The letters in brackets refer to the validation protocol

Table 4-2: PoA-DD versions used for assessments

Version Nr.	Assessment Round
PoA-DD v. 01 (Published)	Findings raised at Draft Report
PoA-DD v. 02	DOE Assessment #1
PoA-DD v. 03	DOE Assessment #2
PoA-DD v. 04	Final Corrections
PoA-DD v. 04a (Final)	Final Corrections after DNA's requests

The following tables include all raised CARs, CLs and FARs. For an in depth evaluation of all validation items it should be referred to the validation protocols (see Annex 1).

The findings of validation process are summarized in the tables below:

PoA-DD:

Finding	CAR B1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.1 of PoA-DD, it is not clearly described how, in the absence of CDM, none of the implemented CPAs would occur and it is not indicated whether PROINFA is still available, nor there is any reference about the PROINFA prices.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>The Section B.1 of the PoA-DD was revised in order to clearly describe how in the absence of the CDM none of the implemented CPAs would occur.</p> <p>Moreover the status of PROINFA availability was inserted in such Section as well as the actual prices for wind power plants that sold electricity under the incentive program.</p> <p>Please access the new version of the PoA-DD sent to DOE.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>OK, section B.1 of PoA-DD version 2 has been revised accordingly and it is clearly indicated that by means of a complete financial analysis at CPA level, in order to demonstrate that no CPA would occur in the absence of CDM.</p> <p>Further correct information that PROINFA is no longer available has been inserted in the section as well as the average prices for PROINFA, which references have been reviewed by validation team.</p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>In Section B.2 of PoA-DD, applicability conditions “i” to “l” of the PoA Standard are not addressed.</p> <p>Associated checklist question(s):</p>		

Finding	CL B2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The conditions “i” to “l” of the PoA Standard were addressed in the Section B.2 of the PoA-DD, new version, sent to DOE.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	OK, section B.2 has been revised accordingly and conditions, which are not applicable, were also addressed. Nevertheless, the PoA specific eligibility criteria are missing. <u>CL remains open</u>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The section B.2 of the PoA-DD was revised in order to complement with specific eligibility criteria for the Wind Electricity Programme of Activity in Brazil. Items like: (i) the justification of the applied baseline and monitoring methodology as per the EB 55, Annex 38 § 6 f; (ii) terms of approval of CPA by Coordinating/Managing entity; (iii) issues related the Crediting period of a CPA; (iv) information regarding awareness and agreement by CPA PPs of participating in the PoA; (v) criteria concerning the CER ownership framework; (vi) criteria regarding de-bundling check under the Programme of Activities and related CPAs; information regarding environmental impact assessment requirement for the PoA. Please find attached the new version of the PoA-DD attached to the document.		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Section B.2 was revised again and now it is consistent with all requirements of PoA Standard with the inclusion of specific eligibility criteria. In addition, each criterion is presented with the necessary outcome and verifiable evidence for the inclusion of a CPA. <u>CL is closed</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.2 of PoA-DD, applicability conditions “i” to “l” of the PoA Standard are not addressed.		

Finding	CL B2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The conditions “i” to “l” of the PoA Standard were addressed in the Section B.2 of the PoA-DD, new version, sent to DOE.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Ok, section B.2 has been revised accordingly and conditions, which are not applicable, were also addressed.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR C1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section C of PoA-DD, the management system is not described as required by the guidelines for completing the PoA-DD in line with paragraph 17 of PoA Standard.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The management system required by the paragraph 17 of the PoA Standard was described in a properly way in the Section C of the PoA-DD. All bullets mentioned in the PoA Standard were addressed in the new version of the document, which was sent to DOE. Please see the file attached.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Section C has been revised, but it does not fully address all the requirements of PoA Standard. <u>CAR remains open</u>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The management system required by the paragraph 17 of the PoA Standard was described in a properly way in the Section C of the PoA-DD. Information regarding: “a) A clear definition of roles and responsibilities of personnel involved in the process of inclusion of CPAs, including a review of their competencies; b) Records of arrangements for training and capacity development for personnel; c) Procedures for technical review of inclusion of CPAs; d) A procedure to avoid double accounting (e.g. to avoid the case of including a new CPA that has already been registered either as CDM project activity or as a CPA of another PoA); e) Records and documentation control process for each CPA under the PoA; f) Measures for continuous improvements of the PoA management		

Finding	CAR C1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	system.”, was included in the PoA-DD. Therefore, all minimum requirements were addressed in the PoA-DD. Please find attached the document revised.		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	The management system is now fully described with the description of roles and responsibilities, means for training of personnel, procedures for checking the CPA inclusions, system to avoid double counting, control process for records and documents, measures for its improvement and additional necessary information. <u>CAR is closed</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Generic CPA-DD:

Finding	CL A1		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section A.1 of generic CPA-DD, the description of purpose does not clearly include retrofit, capacity addition or replacing. Further, the description of characteristics of wind energy is not necessary.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	A description about the scopes/purpose of the CPA-DD, clearly indicating the types of projects that can be included as a Real Case CPA-DD, such as retrofit, capacity addition or replacing, was inserted in the Section A.1 of the CPA-DD. Please find attached the new version of the generic CPA-DD.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Section A.1 has been revised, but it is still not completed as per the guidelines. <u>CL remains open</u>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	After implementing corrections in the Section A.1 of the generic CPA-DD, it is possible to see that there were included a description about the types of measures possible to be implemented in futures CPAs under the present PoA proposed. The types/measures covered by the Program are activities that: (a) Install a new power plant at a site where no renewable power plant was operated prior to the implementation of the project activity		

Finding	CL A1		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>(greenfield plant);</p> <p>(b) Involve a capacity addition;</p> <p>(c) Involve a retrofit of (an) existing plant(s) or Involve a replacement of (an) existing plant(s).</p> <p>Detailed information about the concept about each type of possible CPA was included in the Generic CPA-DD.</p>		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>Section A.1 has been revised again and now it is completely in accordance with the guidelines.</p> <p><u>CL is closed</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>		

Finding	CL B3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>In Section B.1 of generic CPA-DD:</p> <ol style="list-style-type: none"> 1. Not all tools the methodology draws upon are indicated; 2. The UNFCCC website reference is missing; 3. The expression “was used” is not appropriate for a generic description. 		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>In order to have a better description in the Section B.1 of the generic CPA-DD, the following actions were taken:</p> <ol style="list-style-type: none"> 1. All tool mentioned by the applied methodology under the Programme of Activities were inserted in the generic CPA-DD. 2. The links regarding the latest tools available by the time of completion of the PoA-DD, generic CPA-DD and the real case CPA-DD, as well as the methodology applied in the Programme, was inserted in the new version of the document. 3. The expression “was used” was changed to another one more adequate for the generic CPA-DD. <p>Therefore, all the issues related to the Section B.1 in the present</p>		

Finding	CL B3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	CL was objectively addressed in the mentioned document. Please find attached to this document the new version of the generic CPA-DD.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	All items have been appropriately revised in the revised document, version 2.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B4		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.2 of generic CPA-DD, it is stated that the proposed CPAs do not involve capacity additional, retrofits or replacements, which contradicts information of Section A-6 of the PoA-DD.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The Section B.2 of the generic CPA-DD, pages 12 and 13, was revised in order to be in line with the statements contained in the Section B.6 of the PoA-DD. The new version of the generic CPA-DD.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Statements were appropriately revised in version 2 of the document.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B5		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.5 of generic CPA-DD: 1. In bullet 1, the second sentence is not clear;		

Finding	CL B5		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>2. In bullet 5, the statement in the Outcome does not describe a condition that ensures compliance with applicability condition of ACM0002;</p> <p>3. In bullet 7, the statement in the Outcome does not describe specific requirements stipulated by the CME including any conditions related to undertaking environmental impact analysis.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>The Section B.5 of the generic CPA-DD was revised as follows:</p> <p>1. The bullet 1 was revised in order to have a clear sentence;</p> <p>2. In the appropriated Section of the generic CPA, the statement was revised, so the applicability condition of ACM0002 can be certainly applied.</p> <p>3. The bullet 7 of the generic CPA was reviewed so the specific requirements to undertaking environmental impact analysis, which was stipulated by the CME can be checked.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>OK, all 3 applicability conditions have been revised in version 2 of the document and are considered now appropriate by validation team.</p> <p>Nevertheless, the eligibility criteria do not present specific characteristics to different project types.</p> <p><u>CL remains open</u></p>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>All the eligibility criteria contained in the Section B. 5 of the generic CPA-DD was revised in order to address the types/measures previewed by the Programme of Activities.</p> <p>Detailed information regarding the GREENFIELD, RETROFIT, REPLACEMENT or CAPACITY ADDITION type of measure was included in the Generic CPA-DD. Please find attached the document attached.</p>		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>The section was revised to be consistent with the PoA-DD.</p> <p>In addition, specific information about the type of CPA has been included.</p> <p><u>CL is closed</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>		

Finding	CL B6
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Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.6.3 of generic CPA-DD, it is not necessary to repeat text and variable descriptions done in section B.6.1, but rather substitute values in the equations.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The text and variables description in the Section B.6.1 were excluded and also the values were substituted into the equations. Please find the generic CPA-DD attached.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Section B.6.3 has been revised accordingly.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B7		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	In Section B.7.1 of generic CPA-DD, the statement about "measurements methods and procedures" for parameter $EG_{PJ,y}$ is not completely clear. Similar text is repeated in second paragraph of section B.7.2. Further it is not stated whether the meters are uni or bi-directional.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The Section B.7.1 was revised. Also a revised statement was included in section B.7.2 in order to clarify the term used: it was used measured instead monitored.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	Unclear text has been revised in both sections B.7.1 and B.7.2 and information about bi-directional nature of meters has been also included.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

5 VALIDATION ASSESSMENT SUMMARY

5.1 General Description of the PoA

5.1.1 Technology to be employed

A comprehensive and complete description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD.

The proposed PoA proposes to deliver renewable electricity to the Brazilian National Interconnected System (SIN) by means of the implementation of CPAs that consist in a grid connected wind electricity generation facility which can be:

- a. the implementation of new power plant(s) – Greenfield project;
- b. the capacity addition by means of the installation of power plants/units besides or additional to existing power plants/units;
- c. the retrofit of an existing plant(s); *or*
- d. the replacement of an existing plant(s).

5.1.2 Small Scale PoAs

The present Programme of Activities applies a large scale methodology ACM0002 and expects to reduce an amount of emission reductions above the small scale PoA threshold. Therefore, it is a large scale PoA.

5.1.3 Definition of a typical Component Project Activity (CPA)

All eligibility criteria have been clearly described in section B.2 of the PoA-DD for the inclusion of a CPA. They are verifiable (the verifiable evidence for each criterion is also described) and include all necessary requirements:

- A. The CPA shall correspond to a wind electricity generation facility located in Brazil and connected to the Brazilian National Interconnected System;
- B. The CPA's geographical coordinates shall be provided in an unambiguous manner in order to allow the unique identification of its electricity generation, avoiding double counting of GHG emissions reductions;
- C. The CPA shall correspond to a wind electricity generation facility connected to the Brazilian National Interconnected System that: (a) install a new power plant at a site where no renewable power plant was operated prior to the implementation of the project activity (greenfield plant); (b) involve a capacity addition; (c) involve a retrofit of (an) existing plant(s); or (d) involve a

replacement of (an) existing plant(s). The applied technology for each type of project is specific;

- D. Documents that clearly demonstrate the start date of the CPA shall be made available;
- E. The CPA shall fulfill all the applicability criteria of ACM0002 ("Consolidated baseline methodology for grid-connected electricity generation from renewable sources") in respect to grid connected wind power generation;
- F. The additionality of the CPA shall be demonstrated as per the latest versions of the "Tool for the demonstration and assessment of additionality" and/or "Combined tool to identify the baseline scenario and demonstrate additionality", as required;
- G. The CPA shall be in accordance to the Brazilian environmental licensing requirements (EIA or similar environmental study; preliminary, installation or operation license, as available). In addition, the local stakeholder's consultation is done in PoA level according to the Brazilian DNA as per Resolution #09;
- H. The CPA shall provide a conclusive statement that, if any funding from Annex I parties have been provided, it does not result in a diversion of official development assistance;
- I. The CPA shall be connected to the Brazilian National Interconnected Grid;
- J. Not applicable to the proposed PoA the conditions related to sampling requirements for a PoA in accordance with the approved guidelines/standard from the Board pertaining to sampling and surveys;
- K. Not applicable to the proposed PoA as the CPAs shall be large scale projects and not constrained to any limit;
- L. The starting date of the CPA shall not be before the Global Stakeholder Consultation of the PoA (2012-04-20) and the crediting period of the CPA shall not extend beyond the end date of the PoA;
- M. A signed contract between CPA operator and CME to ensure that CPA operator is aware and has agreed that its activity is being subscribed to the PoA;
- N. The CPA shall not comprise activities that involve a fragmentation of a large-scale activity into smaller parts, in order to avoid debundling;
- O. The CPA shall comply with all the criteria and conditions of the PoA and confirmed participation by a signed document (verifiable evidence) from the CME.

5.2 PoA Baseline

5.2.1 Application of the Methodology

The project applies the baseline and monitoring methodology ACM0002 – “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” – version 12.3.0 and methodological tools: “Tool to calculate the emission factor for an electricity system” – version 02.2.1; “Tool for demonstration and assessment of additionality” – version 06.0.0; “Combined tool to identify the baseline scenario and demonstrate additionality” – version 4.0.0; and “Tool to calculate project or leakage CO₂ emissions from fossil fuel combustion” – version 02. They are all approved, valid and are derived from the UNFCCC CDM website.

All applicability conditions of ACM0002 version 12.3.0 are met and the project activity is in line with all requirements and stipulations mentioned in all sections of the applied methodologies.

No significant emissions are expected from the project or from leakage.

5.2.2 PoA Boundary and CPA Boundary

The project boundaries (geographic and also related to GHG sources and gases) are correctly given in the PDD as described in section B.3 of the PDD. The methodology does not allow for a choice of which GHG sources / sinks are included, and there are no other sources which are impacted by the project which are not addressed by the applied methodology.

The CPA shall correspond to a wind electricity generation facility located in Brazil.

All applicable Brazilian and/or sectoral policies and regulations have been taken into consideration.

5.2.3 Baseline Identification

The description of the baseline identification in the PDD is transparent and verifiable. According to ACM0002 version 12.3.0, the baseline scenario for the implementation of a new grid-connected renewable power plant/unit (in this case wind) is the following:

a) For CPAs that consist in the implementation of a new grid-connected renewable power plant: *Electricity delivered to the grid by the CPA would be generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the “Tool to calculate the emission factor for an electricity system”.*

b) For CPAs that consist in capacity addition to existing plants: *In the absence of the CPA, the existing facility would continue to supply electricity to the grid at historical levels, until the time at which the generation facility would likely be replaced or retrofitted ($DATE_{BaselineRetrofit}$). From that point of time onwards, the baseline scenario is assumed to correspond to the project activity, and no emission reductions are assumed to occur.*

c) For CPAs that consist in retrofit or replacement of existing plants the procedure to identify the baseline scenario shall be applied as per the “Combined tool to identify the baseline scenario and demonstrate additionality”.

5.2.4 Algorithms and formulae used to determine emission reductions

All calculations will be done at CPA level.

The formulae are stipulated in the generic design document are in accordance with ACM0002 – version 12.3.0 and the ER calculations are to be done as per the applied methodology.

5.3 Additionality Determination

5.3.1 PoA

It has been demonstrated that the PoA in absence of the CDM would not have been implemented.

As clearly stated in the PoA-DD, most of the wind-based electricity generation entrepreneurship in Brazil accrue from Clean Development Mechanism (CDM) and the Program of Incentive to Alternative Sources of Electric Energy – PROINFA, a Brazilian government incentive program for renewable sources of electric generation projects.

For more detail, please refer to Section A.2 of the PoA-DD.

5.3.2 CPA level

Starting date / Consideration of CDM in decision making

The starting date of the first CPA (Marco dos Ventos I Wind Power Plant) is estimated to happen on 2014-03-14 when a real action is expected to occur with the planned signature of the contract for purchase of the wind turbines and respective first payment. The date is conservatively estimated at the chronogram of major events of the project activity developed by the project owner by its experience with similar projects (Aratuá I and Miassaba II).

The PoA-DD and the rcCPA-DD were published in the UNFCCC website on 2012-04-20 for the 30-day global stakeholder consultation (GSCP).

Alternatives

- The project activity not implemented as a CDM project;
- The continuation of the current situation, i.e. to use all power generation equipment that was already in use prior to the implementation of the project activity and undertaking business as usual maintenance. The additional power generated under the project would be generated in existing and new grid-connected power plants in the electricity system; and
- All other plausible and credible alternatives to the project activity that provide an increase in the power generated at the site, which are technically feasible to implement. This includes, inter alia, different levels of replacement and/or retrofit at the power plant/unit(s). Only alternatives available to project participants should be taken into account.

Investment analysis

Not applicable as the additionality will be assessed at each CPA level.

Barrier analysis

Not applicable as the additionality will be assessed at each CPA level.

Common practice analysis

Not applicable as the additionality will be assessed at each CPA level.

Additionality-related eligibility criteria

The additionality of the CPA will be demonstrated as per the latest version of the "Tool for the demonstration and assessment of additionality".

5.4 Operational, Management and Monitoring Plan of the PoA

The CME will develop and implement a management system that includes:

- a. A clear definition of roles and responsibilities of personnel involved in the process of inclusion of CPAs, including a review of their competencies: personnel involved in the process of inclusion of CPAs consist in a team of CME employees specially selected and trained. The role of the team is to clearly understand the eligibility criteria of the PoA and apply them to all potential CPAs, including in the PoA only CPAs that meet all requirements. The responsibilities of the team include collecting all data and evidences necessary to the eligibility assessment, assessing eligibility and deciding on the inclusion of the CPA candidates;

- b. Records of arrangements for training and capacity development of personnel: all personnel involved shall be trained in several issues regarding climate change, wind energy, the CDM and all other essential themes to the PoA. Every person involved shall keep a record of all training received, including date, type of training, issue, and bibliographic references. In case of experienced personnel, they shall keep an updated record of their knowledge on each issue and how it was acquired, including issue, bibliographic references and previous experience;
- c. Procedures for technical review for inclusion of CPAs: CME will implement a database (WayCarbon PoA Database) with relevant information for each CPA under the proposed PoA;
- d. Procedures to avoid double accounting (to avoid the case of including a new CPA that has already been registered either as CDM project activity or as a CPA of another PoA): CME will implement a database (UNFCCC Database) with relevant information for wind farms facilities implemented in Brazil registered either as CDM project activity or as a CPA of another PoA;
- e. Records and documentation control process for each CPA under the PoA: each CPA under the PoA shall have all of its information properly recorded and electronically kept by the CME for at least 2 years after the end of the crediting period, for each CPA. Documentation includes evidences of the whole process, from eligibility criteria until registry. The CME shall define an organization standard for all files, which allows the clear identification of type of document, version, date and responsible person;
- f. Measures for continuous improvements of the PoA management system: personnel involved in the PoA management system must keep discussion meetings in a minimum quarterly basis, in order to assess current operational problems on the system and define and implement solutions;
- g. Provisions to ensure that those operating the CPA are aware and have agreed that their activity is being subscribed to the PoA.

5.5 Crediting Period

Not applicable as the crediting period will be assessed at CPA level.

5.6 Environmental Impacts

For this type of project, the host party requires an Environment Impact Assessment or other similar environmental study at CPA level.

The PoA-DD states that according to CONAMA's Normative Resolution #001/86, each activity that utilize natural resources and that is considered as entrepreneurship with high degradation or pollution potential must have its environmental impact assessment and environmental impact report elaborated to obtain the environmental licenses.

So, it is clear that as per the Brazilian environmental legislation, the environmental study has to be undertaken at CPA level.

5.7 Comments by Local Stakeholders

Several relevant stakeholders have been invited on 2012-03-16 for the consultation prior to the publication of the PoA-DD in accordance with Resolution 09 of the Interministerial Commission for Global Climate Change.

The following stakeholders received letters with the communication of the present PoA:

- Executive Secretariat of the Interministerial Commission for Global Climate Change (CIMGC);
- Brazilian Forum of NGOs and Social Movements for the Environment and Development (FBOMS);
- Brazilian Clean Energy Generation Association (ABRAGEL);
- Brazilian Wind Energy Association (ABEEÓLICA);
- Brazilian Renewable Energy and Environment Association (ABEAMA);
- Brazilian Environmental Engineering Association (ABES);
- State Attorney for Public Interest (Federal).

No comments have been received.

In addition, as per the Resolution09, the LSC shall be done only at PoA level.

5.8 Participation

5.8.1 Definition of Roles

The PoA-DD includes the identification of the CME: WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.

The LoA can be issued only with a positive validation opinion.

5.8.2 LOA

At the time of the completion of revision 0.1 of this report, the LoA of the Brazilian DNA (host country) was pending. For the Brazilian DNA, a positive validation opinion is a prerequisite for the host government approval and thus the LoA could not be considered at that validation stage.

According to CDM requirements, at the validation stage, a party may or may not have provided its approval by the time of making the PoA-DD public. The approval of the involved parties is required at the time of registration request.

On 2012-11-09, the Brazilian DNA has issued the LoA. The Letter of Approval is in line with all CDM requirements:

- the LoA has been submitted by the Brazilian DNA Interministerial Commission on Global Climate Change;
- Brazil, the host country, has ratified the Kyoto Protocol on August 23rd, 2002;
- it is confirmed in the LoA that the participation is voluntary;
- the LoA confirms that the project contributes to sustainable development of the host country;
- project title and version number are correct.

5.8.3 MoC

The Modalities of Communication (MoC) of WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. identifies the project participant and focal point, as well as the personal identities, including specimen signatures and employment status.

The MoC confirms that the CME (WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.) communicates with the Board.

WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. has the contractual relationship with TÜV NORD.

The representatives who submitted the MoC statement to the DOE are directors of WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. and duly authorized to do so, on behalf of the respective project participant.

5.9 Project Documentation Editorial Aspects

The CDM-PoA-DD template version 02.0 has been correctly applied and the PoA-DD is filled in compliance with the latest guidance.

6 VALIDATION OPINION

WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. has commissioned the TÜV NORD JI/CDM Certification Program (CP) to validate the project: “Grid connected electricity generation from wind source under Programme of Activities in Brazil” with regard to the relevant requirements of the UNFCCC for CDM project activities, as well as criteria for consistent project operations, monitoring and reporting. UNFCCC criteria include article 12 of the Kyoto Protocol, the modalities and procedures for CDM (Marrakech Accords) and the relevant decisions by COP/MOP and CDM Executive Board

In the course of the pre-validation, 02 Correction Action Requests (CARs) and 07 Clarification Requests (CLs) were raised and successfully closed.

The review of the project design documentation and additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and review of comments by parties, stakeholders and NGOs have provided TÜV NORD JI/CDM CP with sufficient evidence to validate the fulfillment of the stated criteria.

In detail the conclusions can be summarized as follows:

- The PoA is in line with all relevant host country criteria (Brazil) and all relevant UNFCCC requirements for CDM. At the time of the completion of the validation, the LoA was pending. For the Brazilian DNA, a positive validation opinion is a prerequisite for the host government approval and thus the LoA could not be considered at rev. 0.1 validation stage.

The LoA of has been issued on 2012-11-09. Changes of this revision 0.1a are only made to applicable UNFCCC requirements (team competence) and LoA assessment and not to the project activity content.- The PoA additionality is sufficiently justified in the PoA-DD.

- The eligibility criteria established for CPA inclusion are deemed appropriate and sufficient.
- The monitoring plan is transparent and adequate.
- All information has been consistently applied in the generic CPA-DD form.

The conclusions of this report show, that the project, as it was described in the project documentation, is in line with all criteria applicable for the validation.

São Paulo, 2012-11-14



Ricardo Lopes
TÜV NORD JI/CDM CP
Validation Team Leader

Essen, 2012-11-14



Jochen Schubert
TÜV NORD JI/CDM CP
Final Approval

7 REFERENCES

Table 7-1: Documents provided by the project participant

Reference	Document
/CPA-DD/	<p>Component Project Activity Design Document named “Marco dos Ventos I Wind Power Plant”</p> <ul style="list-style-type: none"> - version 1.0 (2012-04-10) hosted from 2012-04-20 to 2012-05-19 - version 2.0 (2012-05-10) - version 3.0 (2012-05-20) - version 4.0 (2012-06-14)
/LOA/	Letter of Approval
/MOC/	<p>Modalities of Communication for the PoA – WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. – 2012-05-10</p> <p>Modalities of Communication for the CPA – WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. and Bioenergy – Geradora de Energia S. A. – 2012-05-10</p>
/PoA-DD/	<p>Programme of Activities Design Document named “Grid connected electricity generation from wind source under Programme of Activities in Brazil” – <i>with Generic CPA-DD</i></p> <ul style="list-style-type: none"> - version 01 (2012-04-13) hosted from 2012-04-20 to 2012-05-19 - version 02 (2012-05-10) - version 03 (2012-05-26) - version 04 (2012-06-14) - version 04a (2012-10-10)
/PSD/	<p>Evidences of <u>project starting date</u> and <u>prior consideration</u>:</p> <ul style="list-style-type: none"> - Contract 12PoA030134 between TÜV NORD CERT GmbH and WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. – 2012-04-11
/SHCP/	<p>Stakeholder consultation process:</p> <ul style="list-style-type: none"> - Invitation letters - Confirmations of Receipt – Brazilian Post

Table 7-2: Background investigation and assessment documents

Reference	Document
/ACM02/	ACM0002: Consolidated baseline methodology for grid-connected electricity generation from renewable sources – version 12.3.0
/CPM/	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)
/EL/	Environmental Legislation: <ul style="list-style-type: none"> - CONAMA's Resolution # 001/86 - CONAMA's Resolution # 279/2001 - Federal Law 380/2008
/GCP/	UNFCCC: Guidelines for completing PoA-DD
/GT/	Glossary of CDM Terms
/IPCC-GP/	IPCC Good Practice Guidance & Uncertainty Management in National Greenhouse Gas Inventories, 2000
/IPPC-RM/	Revised 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual
/KP/	Kyoto Protocol (1997)
/MA/	Decision 3/CMP. 1 (Marrakesh – Accords & Annex to decision (17/CP.7))
/MT/	Methodological Tools: <ul style="list-style-type: none"> - Tool to calculate the emission factor for an electricity system – version 02.2.1 - Tool for demonstration and assessment of additionality – version 06.0.0 - Combined tool to identify the baseline scenario and demonstrate additionality – version 4.0.0 - Tool to calculate project or leakage CO₂ emissions from fossil fuel combustion – version 02
/PoADD-T/	PoA-DD Template – version 02.0
/PS/	Clean Development Mechanism Project Standard (ver. 1.0; EB 65 Annex 5)

Reference	Document
/VVS/	UNFCCC Validation and Verification Standard (Version 02.0 as per EB 65)

Table 7-3: Websites used

Reference	Link	Organization
/aneel/	http://www.aneel.gov.br/	Brazilian Electricity Regulatory Agency
/bcb/	http://www.bcb.gov.br	Central Bank of Brazil
/bmfbovespa/	http://www.bmfbovespa.com.br/shared/IframeHotSiteBarraCanal.aspx?altura=900&idioma=pt-br&url=www.bmfbovespa.com.br/informe/default.asp	BM&FBovespa
/bndes/	http://www.bndes.gov.br/SiteBNDES/bndes/bndes_pt	BNDES – National Bank for Social Economic Development
/ccee/	http://www.ccee.org.br/	Chamber of Electric Energy Commerce
/conama/	http://www.mma.gov.br/port/conama/	National Environmental Council
/dna/	http://www.mct.gov.br http://www.mct.gov.br/index.php/content/view/74689.html	DNA of Brazil Published Emission Factor of the SIN
/eletrobras/	http://www.eletrobras.com/elb/main.asp	National Electric Utility Company (State Owned)
/epe/	http://www.epe.gov.br	Energetic Research Enterprise (National Energy Balance)
/fazenda/	www.receita.fazenda.gov.br	Federal Revenue Bureau of Brazil

Reference	Link	Organization
	http://www.tesouro.fazenda.gov.br/tesouro_direto/historico.asp http://www.receita.fazenda.gov.br/Aliquotas/ContribPj.htm	
/ipcc/	www.ipcc-nggip.iges.or.jp	IPCC publications
/ipea/	www.ipeadata.gov.br/	Ipeadata
/ons/	http://www.ons.org.br/home/ http://www.ons.org.br/historico/geracao_energia.aspx	National Operator of the Electric System Historic Generation Data
/unep/	http://cdmpipeline.org/	UNEP RISO CDM Pipeline
/unfccc/	http://cdm.unfccc.int	UNFCCC
/way/	http://www.waycarbon.com/ http://www.munduscarbo.com/projetos.htm	WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.

Table 7-4: List of interviewed persons

Reference	Mol ¹		Name	Organization / Function
/IM01/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Luiz F. M. Serrano	WayCarbon / Project Manager
/IM01/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Fabio Weickert Bicalho	WayCarbon / Project Consultant

¹⁾ Means of Interview: (Telephone, E-Mail, Visit)

ANNEX

- A1:** Validation Protocol
- A2:** Assessment of Applicability Criteria
- A3:** Assessment of Baseline Identification
- A4:** Assessment of Financial Parameters
- A5:** Assessment of Barrier analysis
- A6:** Outcome of the GSCP
- A7:** Eligibility Criteria Assessment
- A8:** Statement of competence of involved Personnel

ANNEX 1: VALIDATION PROTOCOL

Table A-1: Programme Requirements Checklist

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A. General Description of the Programme of Activities				
A.1. Technology to be employed <i>Validation of programme technology focuses on the project engineering, choice of technology and competence/ maintenance needs. The DOE should ensure that environmentally safe and sound technology and know-how is used.</i>				
<p>A.1.1. Does the PoA-DD contain a clear, accurate and complete PoA description?</p> <p>(VVS, v. 2.0, §§ 64, 69)</p> <p><i>The PoA-DD shall contain a clear description of the project activity which provides the reader with a clear understanding of the precise nature of the programme activity and the technical aspects of its implementation.</i></p> <p><i>Pl. consider esp. chapters A.1, A.3 (in case of LSC) for assessment.</i></p> <p><i>§69 (a) Describe the process undertaken to validate the</i></p>	<p>/PoA-DD/ /IM01/</p>	<p><i>Description:</i> Yes, the PoA proposes to deliver renewable electricity to the Brazilian National Interconnected System by means of the implementation of greenfield plants, replacement, retrofit or capacity addition of existing plants in the baseline is given in section A.2 of the PoA-DD.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>accuracy and completeness of the programme description.</i> §69 (b) Contain the DOE's opinion on the accuracy and completeness of the programme description.		<i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description of the project activity.		
A.1.2. Does the PoA-DD contain a clear, accurate and complete definition (including measures/technology(ies)) to be employed of a CPA under the PoA? (VVS, v. 2.0, § 189)	/PoA-DD/ /IM01/	<i>Description:</i> Yes, a comprehensive and complete description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD. The proposed PoA may be composed by CPAs that consist in a grid connected wind electricity generation facility which can be: <ul style="list-style-type: none"> e. the implementation of new power plant(s) – Greenfield project; f. the capacity addition by means of the installation of power plants/units besides or additional to existing power plants/units; g. the retrofit of an existing plant(s); or h. the replacement of an existing plant(s). Nevertheless, the information is not clear at the Generic CPA-DD, so CL A1 was raised. <i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.	CL A1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p><i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description technology and technical aspects to be employed in a CPA under the PoA.</p> <p>For the Generic CPA-DD, some more information is necessary, so CL A1 was raised.</p> <p>(CL A1) In Section A.1 of generic CPA-DD, the description of purpose does not clearly include retrofit, capacity addition or replacing. Further, the description of characteristics of wind energy is not necessary.</p>		
A.1.3. Is this description in accordance with the real situation or (in case of greenfield projects) is it most likely that the PoA and the CPAs will be implemented acc to the descriptions in the PoA-DD and the CPA-DD?	/PoA-DD/ /IM01/	<p><i>Description:</i> Yes, the PoA and CPA are described sufficiently will be implemented according to the descriptions in the PoA-DD and the CPA-DD. The first real case CPA is a greenfield project.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The project will be most likely implemented according to the project description.</p>	OK	OK
A.1.4. In case the programme involves alteration of an existing installation or process, is a clear description available regarding the differences	/PoA-DD/ /CPA-	<p><i>Description:</i> The only real case CPA is a greenfield project, but there is a possibility for the alteration of an existing installation for other CPAs. In case of a retrofit or capacity addition, the</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>between the programme and the pre-programme situation?</p> <p>(VVS, v. 2.0, § 68)</p> <p><i>Describe the steps taken to validate this issue.</i></p>	<p>DD/ /IM01/ /ACM02/</p>	<p>conditions and requirements of the applied methodology (ACM0002) and registered PoA will be applied in those cases</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants. In addition the applied methodology was reviewed.</p> <p><i>Conclusion:</i> In case there is alteration of an existing installation or process, the requirements of ACM0002 have to be fulfilled.</p>		
<p>A.1.5. Has a sufficient description of the general operating and implementing framework of the PoA and its CPAs been given?</p> <p>(VVS, v.2.0, §189)</p>	<p>/PoADD/ /IM01/</p>	<p><i>Description:</i> Yes, a comprehensive general operating and implementing framework of the PoA and its CPAs is given in section A.6 of the PoA-DD. The project description is compatible with the type and category of the programme of activities.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description of the general operating and implementing framework.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A.2. Small scale project activity <i>It is assessed whether the project qualifies as small-scale CDM PoA</i>				
A.2.1. Does the programme fall within the small scale project activity threshold and applies a large-scale approved methodology? In this case, are the modalities and procedures for large-scale project activities followed? (VVS, v. 2.0, § 151)	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK
In case of project activities applying a LSC-Methodology, go to B.1				
A.2.2. Does the programme qualify as a small scale PoA as defined in decision 4 / CMP.1 annex II? (VVS, v. 2.0, §§ 150–152) <i>Please indicate whether the CPAs meet the eligibility criteria for small scale-projects. Especially consider whether the CPAs qualify within the thresholds of the three possible types of small-scale project activities</i>	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK
A.2.3. Does the PoA make provisions for each CPA not to exceed the applicable threshold throughout the crediting period? (EB 65, Annex 3, §14 (k))	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A.2.4. Are possible cross effects between CPAs (when applying multiple small scale methodologies) taken into account appropriately? (EB 65, Annex 3, §28)	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK
A.2.5. Does the programme apply one of the approved small scale categories and any methodology(ies) and tool(s) referred therein? (VVS, v. 2.0., § 152 (b)) <i>Check, if applicable the expiry dates of the applied methodology(ies). Further, take into consideration the general guidance to the methodologies¹, which provide guidance on equipment capacity, equipment performance, sampling and other monitoring related issues.</i>	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK
A.2.6. Are the small scale CPAs not debundled components of a larger project activity? (VVS, v. 2.0, §203 and EB 65, Annex 3, § 14(I)) <i>Describe the steps taken to assess whether the CPA is not a debundled component of a large scale activity, in accordance to the “Guidelines on assessment of debundling for SSC project activities”.</i> <i>In case each of the independent subsystems/measures</i>	/PoA-DD/	<i>The project does not qualify as small-scale CDM programme of activities.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>included in the CPA of a PoA is no larger than 1% of the small-scale thresholds defined by the methodology (i.e. 150kW, 0.6 GWh, 0.6 ktCO₂e), then that CPA of the PoA is exempted from the de-bundling check, i.e. is considered as not being a debundled component of a large-scale activity</i>				
A.3. Definition of a typical Component Project Activity (CPA) <i>The description of a typical CPA is assessed. The eligibility criteria shall be checked for appropriateness and completeness.</i>				
A.3.1. Has the PoA-DD unambiguously defined a CDM programme activity (CPA) under the PoA?	/PoA-DD/ /IM01/	<p><i>Description:</i> Yes, the PoA consists of CPAs that propose to deliver renewable electricity to the Brazilian National Interconnected System by means of the implementation of greenfield plants, replacement, retrofit or capacity addition of existing plants in baseline is given in section A.2 of the PoA-DD.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents a clear description of the CPAs under the PoA.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>A.3.2. Does the PoA-DD contain a clear, accurate and complete description of the CPAs with regard to the technology / measures to be used?</p> <p><i>The PoA-DD shall contain a clear description of a typical CPA which provides the reader with a clear understanding of the precise nature of the project activity and the technology / measure to be used.</i></p> <p><i>Describe the process undertaken to validate the accuracy and completeness of the CPA description.</i></p>	/PoA-DD/ /IM01/	<p><i>Description:</i> Yes, a comprehensive and complete description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD.</p> <p>The proposed PoA may be composed by CPAs that consist in a grid connected wind electricity generation facility which can be:</p> <ul style="list-style-type: none"> a. the implementation of new power plant(s) – Greenfield project; b. the capacity addition by means of the installation of power plants/units besides or additional to existing power plants/units; c. the retrofit of an existing plant(s); or d. the replacement of an existing plant(s). <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description technology and technical aspects to be employed in a CPA under the PoA.</p>	OK	OK
A.3.3. Is all necessary information consistent between	/PoA-	<i>Description:</i> Yes, the PoA-DD and Generic CPA-DD are	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
the finalized PoA-DD and the Generic CPA-DD?	DD/ /IM01/	<p>consistent against each other, and the characteristics that are required in the PoA are also described in the Generic CPA.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD and Generic CPA-DD are consistent.</p>		
A.3.4. Does the generic CDM-CPA-DD include Name/contact details of the entity/individual responsible for the operation of the CPA?	/PoA-DD/	<i>Not applicable as the entity/individual responsible will be set at each CPA.</i>	N/A	OK
<p>A.3.5. Does the definition of eligibility criteria for inclusion of a CPA under the PoA include the following information:</p> <p>i) appropriate criteria for demonstration of additionality of the CPA, and</p> <p>ii) all type and/or extent of information (e.g. criteria, indicators, variables, parameters or measurements) that shall be provided by each CPA in order to ensure its eligibility?</p> <p>(EB 65, Annex 3, §§ 8,9,10,11,12,13,14)</p>	/PoA-DD/ /PS/	<p><i>Description:</i> All eligibility criteria have been clearly described, esp. w.r.t. the following points, and detailed assessments are included in Annex 7 of this report:</p> <ol style="list-style-type: none"> (1) Geographical requirement of the CPA boundary (2) Confirmation of no double-counting (3) Technical requirement of the CPA, including procurement (4) CPA start date not before PoA webhosting date (5) Methodology applicability requirement of the CPA (6) Other methodological / tool requirement of the CPA, (7) The additionality assessment criteria for each CPA are met (8) Local stakeholder consultation prior to inclusion of the CPA (9) Environmental analysis requirement of the CPA (10) Public funding requirement of the CPA (11) CPA crediting period not exceed the PoA end date 	CL-B2	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>Assess the specified eligibility criteria in the POA-DD in order to determine whether or not these criteria are sufficient to ensure that all CPAs would comply with the CDM requirements applicable to the PoA, these requirements shall include, inter alia,</i></p> <ul style="list-style-type: none"> <i>the means of demonstrating the additionality of the CPA and</i> <i>the applicability of the applied methodology.</i> <p><i>The eligibility criteria represents an essential element of ensuring the smooth functioning of programmatic CDM, therefore the validation team may raise CARs which ensure the ease of application of the eligibility criteria. (EB 65 annex 3 para 14 Footnote 2).</i></p> <p><i>Detailed assessment on the final criteria are included in the dedicated Annex A-6 of this report.</i></p>		<p>(12) Monitoring requirement of the CPA (13) The CPA shall be approved by the coordinating entity If applicable: (14) Target group and distribution mechanism requirement (15) Sampling requirements of the CPAs in accordance with the applicable guidelines by the EB (16) Requirements/Provisions for meeting threshold criteria on CPA level (SSC, Microscale) (17) De-bundling criterion for the CPA (18) Other eligibility criteria applicable for CPA implementation</p> <p><input checked="" type="checkbox"/> Not all eligibility criteria have been clearly described and following findings have been raised accordingly (after successful closure of all the findings, detailed assessments are to be included in Annex 7 of the final report):</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the PoA Standard.</p> <p><i>Conclusion:</i> Refer to CL B2 below.</p>		
<p>A.3.6. Are the eligibility criteria defined verifiable, sufficiently objective and do allow to assess the inclusion of CPAs in the PoA?</p> <p>(EB 65, Annex 3, §§ 15,16)</p>	/PoA-DD/ /PS/	<p><i>Description:</i> The established criteria are sufficiently verifiable and objective. Nevertheless, the missing conditions have to be included to assess this point.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the PoA Standard.</p>	CL-B2 CL-B4 CL-B5	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p><i>Conclusion:</i></p> <p>(CL B2) In Section B.2 of PoA-DD, applicability conditions “i” to “l” of the PoA Standard are not addressed.</p> <p>(CL B4) In Section B.2 of generic CPA-DD, it is stated that the proposed CPAs do not involve capacity additional, retrofits or replacements, which contradicts information of Section A-6 of the PoA-DD.</p> <p>(CL B5) In Section B.5 of generic CPA-DD:</p> <ol style="list-style-type: none"> 1. In bullet 1, the second sentence is not clear; 2. In bullet 5, the statement in the Outcome does not describe a condition that ensures compliance with applicability condition of ACM0002; 3. In bullet 7, the statement in the Outcome does not describe specific requirements stipulated by the CME including any conditions related to undertaking environmental impact analysis. 		
<p>A.3.7. In case of combination of technologies/measures and or methodologies: have distinct eligibility criteria been developed for each type of CPA?</p> <p>(EB 65, Annex 3, §§ 20,29)</p>	/PoA-DD/	<p><i>Not applicable as there is no combination of technologies/measures and/or methodologies.</i></p>	N/A	OK
A.3.8. In case of combination of	/PoA-	<i>Not applicable as there is no combination of</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
technologies/measures and or methodologies: have provisions been made to ensure the compliance of a CPA using technologies/measures from several methodologies with all the eligibility criteria derived from the requirements of all the methodologies and are those described in the PoA-DD? (EB 65, Annex 3, §§ 27)	DD/	<i>technologies/measures and/or methodologies.</i>		
B. Project Baseline, Additionality and Monitoring Plan				
B.1. Reference of the Methodology				
B.1.1. Do the PoA-DD and the generic CPA-DD correctly quote an applicable version of the methodology? (VVS, v. 2.0, § 74)	/ACM0 2/	<input checked="" type="checkbox"/> The applied methodology is correctly quoted and is identical to the version available on the UNFCCC website. <input checked="" type="checkbox"/> The applied version of the baseline and monitoring methodology is applicable and valid at the time of submission for stakeholder consultation.	OK	OK
B.2. Applicability of the Methodology				
B.2.1. Does the programme apply (an) PoA-approved	/ACM0	<input checked="" type="checkbox"/> The applied methodology is correctly quoted and is	CL-B3	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>and applicable CDM methodology(ies) and (a) valid version(s) thereof?</p> <p>(VVS, v. 2.0, §§ 70, 74, 76, 77)</p> <p><i>Describe the steps taken to validate this issue.</i></p> <p><i>Describe for <u>each</u> applicability criterion listed in the selected approved methodology the steps taken to assess its fulfillment</i></p>	2/ /MT/	<p>identical to the version available on the UNFCCC Website.</p> <p><input checked="" type="checkbox"/> The applied version of the baseline and monitoring methodology is valid at the time of submission for stakeholder consultation.</p> <p><input checked="" type="checkbox"/> All applicability criteria in the methodology, the applied tools or any other methodology component referred to therein are fulfilled (please make detailed assessment in Annex 2 of this protocol).</p> <p>Nevertheless, Section B.1 of the generic CPA-DD has to be completed. So, CL B3 was raised.</p> <p>(CL B3) In Section B.1 of generic CPA-DD:</p> <ol style="list-style-type: none"> 1. Not all tools the methodology draws upon are indicated; 2. The UNFCCC website reference is missing; 3. The expression “was used” is not appropriate for a generic description. 		
<p>B.2.2. In case of multiple methodologies: do the PoA-DD and the generic CPA-DD list all combinations of technologies/measures and/or approved methodologies that will be implemented in the PoA and define separate eligibility criteria for each of them?</p> <p>(EB65, Annex 3, §26)</p>	/PoA-DD/	<p><i>Not applicable as there is no use of multiple methodologies.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.2.3. In case of multiple methodologies: is the combination of technologies/measures and/or methodologies approved? (EB 65, Annex 3, §§29,30,32,33)	/PoA-DD/	<i>Not applicable as there is no use of multiple methodologies.</i>	N/A	OK
B.2.4. In case one or more applicability criteria of the methodology(ies) have not been met, has the validation team requested clarification to, revision of or deviation from the methodology(ies) in accordance with the latest guidelines? (VVS, v. 2.0, §§ 78-81)	/PoA-DD/ /ACM02/	<p><i>Description:</i> Not applicable all CPAs need to meet all applicability conditions of ACM0002 to be included in the PoA.</p> <p><i>Validator's action:</i> The PoA-DD has been reviewed against the methodology.</p> <p><i>Conclusion:</i> All applicability criteria of the methodology have been met</p>	N/A	OK
B.3. PoA and CPA Boundaries <i>Project Boundaries are the limits and borders defining the GHG emission reduction programme</i>				
B.3.1. Are the PoA's spatial boundaries (geographical) within which all CPAs included in the PoA will be implemented clearly defined? (VVS, v. 2.0, §§ 72 (a), 82, 191) <i>Provide information on how the validation of the geographical boundary has been performed either based on reviewed documented evidence or by describing what was</i>	/PoA-DD/	<p><i>Description:</i> The spatial boundary of the PoA, and consequently the CPAs, is clearly defined. The CPA has to be located in Brazil to be included in the PoA.</p> <p><i>Validator's action:</i> Section A.5 of the PoA-DD was checked.</p> <p><i>Conclusion:</i> The spatial boundaries are clearly defined.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>observed/viewed during a site visit.</i>				
<p>B.3.2. Are all sources and GHGs included in the PoA/CPA boundary as required in the applied methodology?</p> <p>(VVS, v. 2.0, §§ 82, 84)</p> <p><i>Provide information on how the validation of the GHGs and sources has been performed either based on reviewed documented evidence or by describing what was observed/viewed during a site visit.</i></p>	/PoA-DD/ /ACM02/	<p><i>Description:</i> Yes, all sources and GHGs included in the project boundary are included in the table in section B.3 of the generic CPA-DD in line with ACM0002.</p> <p><i>Validator's action:</i> The PDD was checked against sources and gases defined in ACM0002.</p> <p><i>Conclusion:</i> The sources are in compliance with the applied methodology as well as with the real situation.</p>	OK	OK
<p>B.3.3. In case the methodology allows to choose whether a source and/or gas is to be included, is the choice sufficiently explained and justified?</p> <p>(VVS, v. 2.0, §§ 84, 87)</p> <p><i>Confirm if the adequacy provided by the PPs is reasonable, based on assessment of supporting documented evidence provided by the PPs or by onsite observations.</i></p>	/ACM02/	<p><i>Not applicable, since the methodology does not allow such choices.</i></p>	N/A	OK
<p>B.3.4. Are provisions in place in case the implementation of a CPA might lead to emissions contributing more than 1% of the overall expected average annual emissions reductions within the project boundary and which are not addressed by the selected</p>	/ACM02/	<p><i>Not applicable as per the methodology.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
approved methodology? (VVS, v. 2.0, § 87) <i>Describe the steps taken to validate this issue. If any emission sources that are expected to contribute more than 1% have been identified, the DOE shall request clarification of, revision to, or deviation from the methodology, as appropriate.</i>				
B.4. Baseline Identification <i>The choice of the baseline scenario will be validated with focus on whether the baseline is a likely scenario, and whether the methodology to define the baseline scenario has been followed in a complete and transparent manner.</i>				
B.4.1. Has the baseline scenario been determined according to the methodology? (VVS, v. 2.0, §§ 72 (b), 89, 87(e)) <i>Describe how it is validated that the identification of the most plausible baseline scenario is carried out in accordance with the applied methodology and applied methodological tools. Please refer to table A-2.</i>	/ACM0 2/	<input checked="" type="checkbox"/> The baseline is defined by the applied methodology and the PoA-DD refers to it. If the answer is Yes, continue to B.4.5 <input type="checkbox"/> The baseline is not directly defined by the applied methodology. For details of the assessment regarding the evaluation of the baseline scenario pl. refer to table A-2. <input type="checkbox"/> The determination has been carried out as per the procedure contained in the applied methodology. <input type="checkbox"/> The following CARs / CLs have been identified with	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		respect to the selection of the baseline scenario: <i>Not applicable, as the baseline is given by the methodology.</i>		
<p>B.4.2. Is the list of alternatives complete? (VVS, v. 2.0, § 90)</p> <p><i>Describe how it was validated that all alternatives are plausible and that any scenarios that are supplementary to those required by the methodology are realistic and credible in the context of the project activity and that no alternative scenarios have been excluded.</i></p> <p><i>Fill in all alternatives in table A-2.</i></p>	/ACM0 2/	<input type="checkbox"/> All plausible alternative scenarios listed in the approved methodology have been considered. In the course of document review and site visit, it has been validated that no other alternatives which supply comparable outputs and / or services are to be taken into consideration. Thus no plausible scenario has been excluded. <input type="checkbox"/> The following alternative scenarios/options have been omitted. Corresponding CAR(s)/CL(s) has /have been issued <i>Not applicable, as the baseline is given by the methodology.</i>	N/A	OK
<p>B.4.3. Is the identified baseline scenario reasonable considering all possible types of CPAs and has the baseline scenario been determined using conservative assumptions where possible, including relevant references and sources? (VVS, v. 2.0, § 91)</p> <p><i>Describe whether the choice of the identified baseline scenario is reasonable by validating the <u>key assumptions, calculations and rationales</u> used in the PoA-DD. Describe whether these are listed, relevant and <u>conservatively interpreted</u> in the PoA-DD.</i></p>	/ACM0 2/	<input type="checkbox"/> The baseline scenario is reasonable and has been determined using conservative assumptions where possible. Please refer to comments in table A-2. <input type="checkbox"/> The following CARs / CLs have been issued because assumptions used in the baseline determination have been assessed to be not conservative <i>Not applicable, as the baseline is given by the methodology.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>B.4.4. Does the baseline scenario sufficiently take into account all relevant national and/or sectoral policies within the chosen project boundary such as sectoral reform initiatives, local fuel availability, power sector expansion plans, and the economic situation in the project sector.?</p> <p>(VVS, v. 2.0, §§ 93, 192)</p> <p><i>Describe whether the PP has shown that all relevant policies and circumstances have been identified and correctly considered in the PoA-DD. Two (2) types of national and/or sectoral policies have to be taken into account:</i></p> <p>(a) <i>National and/or sectoral policies or regulations that give comparative advantages to more emissions-intensive technologies or fuels over less emissions-intensive technologies or fuels, known as E+ policies. For this type of national and/or sectoral policies or regulations, only those that have been implemented before adoption of the Kyoto Protocol by the COP (decision 1/CP.3, 11 December 1997) shall be taken into account</i></p> <p>(b) <i>National and/or sectoral policies or regulations that give comparative advantages to less emissions-intensive technologies over more emissions-intensive technologies (e.g. public subsidies to promote the diffusion of renewable energy or to finance energy efficiency programmes), known as E- policies. For this type of national and/or sectoral policies or regulations, those that have been implemented since the adoption by the COP of the CDM M&P (decision</i></p>	/ACM0 2/	Not applicable, as the baseline is given by the methodology.	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
17/CP.7, 11 November 2001) need not be taken into account in identifying a baseline scenario.				
B.4.5. What has been identified as the baseline scenario? Does the PoA-DD contain a verifiable description of the identified baseline scenario, including a description of the technology that would be employed and/or the activities that would take place in the absence of the proposed CDM programme activity?. (VVS, v. 2.0, § 88)	/PoA-DD/ /ACMO 2/ /MT/	<p><i>Description:</i> Yes, the PoA-DD contains a verifiable description of the identified baseline scenarios, as follows:</p> <p>a) For CPAs that consist in the implementation of a new grid-connected renewable power plant: <i>Electricity delivered to the grid by the CPA would be generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the “Tool to calculate the emission factor for an electricity system”.</i></p> <p>b) For CPAs that consist in capacity addition to existing plants: <i>In the absence of the CPA, the existing facility would continue to supply electricity to the grid at historical levels, until the time at which the generation facility would likely be replaced or retrofitted (DATE_{BaselineRetrofit}). From that point of time onwards, the baseline scenario is assumed to correspond to the project activity, and no emission reductions are assumed to occur.</i></p> <p>c) For CPAs that consist in retrofit or replacement of existing plants the procedure to identify the baseline scenario shall be</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>applied as per the “Combined tool to identify the baseline scenario and demonstrate additionality”.</p> <p><i>Validator’s action:</i> The PoA-DD has been checked against applied methodology and tools.</p> <p><i>Conclusion:</i> The baseline is given by the applied methodology (ACM0002).</p>		
B.5. Additionality Determination <i>The assessment of additionality will be validated with focus on whether the programme / CPA itself is not a likely baseline scenario.</i>				
B.5.1. Methodology				
<p>B.5.1.1. Does the PoA-DD describe how the programme is additional (i.e. that none of the implemented CPAs would occur in absence of the CDM) and does the additionality justification follow the requirements of the applied methodology and/or methodological tools?</p> <p>(VVS, v. 2.0, §§ 72 (d), 101-102 and EB65, Annex 3, §7)</p> <p><i>Describe how it is validated that the additionality justification is carried out in accordance with the applied methodology</i></p>	<p>/PoA-DD/ /PS/ /aneel/</p>	<p><i>Description:</i> The PoA-DD does not clearly describe the necessity of CDM benefits for the CPAs implementation, so CAR B1 was raised.</p> <p><i>Validator’s action:</i> The PoA-DD has been checked against PoA Standard and Brazilian regulations for the electric sector.</p> <p><i>Conclusion:</i> (CAR B1) In Section B.1 of PoA-DD, it is not clearly described</p>	CAR B1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>and/or applied methodological tools. Further focus your assessment on the reliability and credibility of data, rationales and assumptions, justifications and documentations provided by the PP.</i>		how, in the absence of CDM, none of the implemented CPAs would occur and it is not indicated whether PROINFA is still available, nor there is any reference about the PROINFA prices.		
B.5.2. Assessment and Demonstration of Additionality of the PoA as a whole				
<p>B.5.2.1. Has it been demonstrated that:</p> <ul style="list-style-type: none"> in the absence of the CDM the proposed voluntary coordinated action would not be implemented, or in the absence of the CDM the mandatory policy/regulation would be systematically not enforced and that non-compliance with those requirements is widespread in the country/region, or the PoA will lead to a greater level of enforcement of the existing mandatory policy /regulation. 	/PoA-DD/ /PS/ /aneel/	<p><i>Description:</i> The stated goal of the related CDM programme activity is defined in the PoA-DD and tries to demonstrate the following situation in the absence of the programme activity:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The proposed voluntary measure would not be implemented. <input checked="" type="checkbox"/> The mandatory policy/regulation would be systematically not enforced and that non-compliance with those requirements is widespread in the country/region. <input checked="" type="checkbox"/> The PoA will lead to a greater level of enforcement of the existing mandatory policy /regulation. <p><i>Validator's action:</i> The PoA-DD has been checked against PoA Standard and Brazilian regulations for the electric sector.</p> <p><i>Conclusion:</i> At PoA level it is established all assumptions that lead to the conclusion that in the absence of the CDM, the PoA would not be implemented.</p>	OK	OK
B.5.3. Assessment and Demonstration of CPA Additionality				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
Identification of alternatives Step 1 (in case of SSC projects pl. skip steps 1 and 2 if appropriate; in cases where the baseline scenario is prescribed in the approved methodology, skip step 1, (VVS, v. 2.0, § 115))				
<p>B.5.3.1. Does the list of alternatives contain the status-quo situation, the programme not undertaken as a CDM project as well as all other viable alternatives for supplying the outputs or services that are to be supplied by the proposed CDM programme activity? Do all identified alternatives comply with enforced legislations?</p> <p>(VVS, v. 2.0, §§ 114, 116) <i>Describe whether the list of alternatives is credible and complete. Describe how it is validated that the list of alternatives is complete, realistic and that the alternatives are credible and that all alternatives comply with the existing and enforced legislation.</i></p> <p><i>Describe the steps taken to validate this issue on the basis of your local and sectoral knowledge.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.4. Assessment and Demonstration of CPA Additionality Investment analysis Step 2</p> <p><i>In case the investment analysis as per step 2 is chosen to justify the additionality Annex 4 "Assessment of Financial Parameters" has to be used to provide</i></p>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>additonal details of the the calculation parameters..</i>				
<p>B.5.4.1. Does the project documentation provide evidence that the project would not be the most economically or financially attractive alternative or economically / financially feasible without the revenues from the sale of CERs?</p> <p>(VVS, v. 2.0, § 117) <i>In cases where the project activity would produce no financial or economic benefits other than CDM-related income, describe how it has been validated that at least one of the alternatives identified is less costly than the proposed project activity.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.4.2. Is a clear, viewable and unprotected Excel spreadsheet available for the investment calculation?</p> <p>(EB 62 Annex 5 , §8) <i>Describe the steps taken to validate this issue.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.4.3. Does the period chosen for the investment analysis reflect the technical lifetime of the project activity or in case a shorter period is chosen, is the fair value of the project activity's assets at the end of the investment analysis period (as a cash inflow) included?</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(EB 62 Annex 5 § 3) <i>Describe how the technical lifetime / period chosen for calculating financial parameter(s) is reviewed and which documents were utilized in the course of review. Describe furthermore the approach used to check the inclusion of a potential fair value.</i>				
B.5.4.4. Is the fair value calculated in accordance with local accounting regulations (where available) or international best practice? (EB 62 Annex 5, § 4) <i>State the accounting regulations applied for calculating the fair value and describe why these are applicable under the project specific circumstances. Describe potential mismatches between regulations and the approach applied for calculating the fair value.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.5. Is the book value as well as the expectation of the potential profit or loss included in the fair value calculation? (EB 62 Annex 5, § 4)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.6. Is an appropriate analysis method chosen for the project (simple cost analysis, investment comparison analysis or benchmark analysis)? (EB 65 Annex 21, EB 62, Annex 5, §19) <i>Describe why the selected analysis method is appropriate</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>under consideration of potential revenues and costs, potential project alternatives and potential available benchmark values.</i></p> <p><i>Assess whether the alternative to the CPA is to supply the same or substitute products or services. In this case, an investment comparison analysis shall be used.</i></p>				
<p>B.5.4.7. Were the input values used in the investment analysis valid and applicable at the time of the investment decision?</p> <p>(EB 62 Annex 5, § 6)</p> <p><i>Describe the steps taken to validate this issue</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.4.8. Are the input parameters based on values from Feasibility Study Reports that are approved by national authorities for proposed project activities?</p> <p>(VVS, v. 2.0, § 122)</p> <p><i>In case the basis for input values is a Feasibility Study Report (FSR) describe how it has been ensured that the period in time between the finalization of the FSR and the investment decision is sufficiently short so that it is unlikely that input values would have materially changed. Further confirm the consistency of values in FSR and POA-DD.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
In case a simple cost analysis has been done, go to B.4.5				
B.5.4.9. Has been a suitable financial indicator	/PoA-	<i>Not applicable as the Additionality analysis will be done at CPA</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
chosen by the project participants? (VVS, v. 2.0, § 120 (a)) <i>Describe the steps taken to validate this issue.</i>	DD/	<i>level.</i>		
B.5.4.10. Are depreciation and other non-cash related items only considered in the tax calculation and not as cash outflow? (EB 62 Annex 5, § 5)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.11. Is the plant load factor (PLF) chosen in a conservative manner, taking into account that the PLF may be different in the framework of demonstrating additionality and calculating the ex-ante ER? (EB 48, Annex 11)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.12. Does the CPA-DD and related spreadsheets contain a sensitivity analysis and does the same contain variation of parameters which may vary throughout the project lifetime? (EB 62 Annex 5, § 20-21) <i>Describe relevance of parameters used in the sensitivity analysis as well as their likeliness to vary during the project's lifetime. Parameters which are fixed on the basis of contracts, PPAs etc. may not be subject to variation and not adequate.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.5.4.13. Were only variables that constitute more than 20% of either total project costs or total project revenues subjected to reasonable variation? (EB 62 Annex 5, § 20)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.14. Have parameters, constituting less than 20% of total project costs or revenues, been identified with potential material impact on the financial parameter? (EB 62 Annex 5, § 20) <i>Describe whether those parameters are considered in the sensitivity analysis?</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.15. Is the range of variation reasonable in the specific context of the project activity, taking into consideration historic trends in the business sector? (EB 62 Annex 5, § 21) <i>Describe whether the range of variation is appropriate with focus on historic developments, e.g. price of oil / labour etc., energy potential in the region in question.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.16. In case of project IRR: Are the costs of financing expenditures (loan repayments and interests) excluded from the calculation of project IRR?	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(EB 62 Annex 5, § 9)				
B.5.4.17. In case of equity IRR: Is the part of the investment costs, which is financed by equity, considered as net cash outflow and is the part financed by debt excluded in net cash outflow? (EB 62 Annex 5, § 10)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
In case a comparison analysis has been done, go to B.5.5				
B.5.4.18. Is the type of benchmark chosen appropriate for the type of IRR calculated (e.g. local commercial lending rates or weighted average costs of capital for project IRR; required/expected returns on equity for equity IRR)? (EB 62 Annex 5, §12) <i>Describe the steps taken to validate this issue.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.19. Is a pre-tax benchmark applied in case of project IRR is calculated? In cases where a post-tax benchmark is applied, assess whether actual interest payable is taken into account in the calculation of income tax. (EB 62 Annex 5, § 11)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>If this is not the case, ensure that taxation is excluded from the investment analysis. As per the guidance it is recommended to select a pre tax benchmark in order to describe the steps taken in assessing this requirement.</i>				
B.5.4.20. Have both benchmark and cash flows expressed consistently, i.e. real terms (excluding the effect of inflation) or nominal terms? <i>Describe the steps taken to validate this issue.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.21. Is the benchmark value suitable for the project activity and is it reasonable to assume that no investment would be made at a rate of a lower return than the benchmark? (VVS, v. 2.0, § 121 (c)) <i>Describe whether it is reasonable to assume that a lower rate of return would consequently result in the baseline scenario.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.22. Is the benchmark applied based on parameters that are available and standard in the market? (VVS, v. 2.0, 121 (b), EB 62 Annex 5, §§13, 15, 16, 18) <i>Assess whether company-specific benchmarks or benchmarks based on parameters that are available in the market are suitable to the project activity. A benchmark that includes the subjective profitability expectations or risk profile of the project developer (size risk premiums, company own risk premium, etc) is not suitable for</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>project activities open to be developed by other entities.</i></p> <p><i>If cost of equity is applied, assure that best financial practices are used and are based on data sources which can be cross-checked against third-party or publicly available sources.</i></p> <p><i>If cost of debt is used for the calculation of the benchmark, ensure that it is calculated as the cost of financing in the capital markets (e.g.: commercial lending rates)</i></p> <p><i>If the cost/equity financing structure of the project is not yet available, 50% equity, 50% debt financing may be assumed as default.</i></p>				
Following checklist is intended for cases where internal company benchmarks are applied, otherwise go to B.5.5				
<p>B.5.4.23. Is it ensured that the project cannot be developed by other developers than the PP, so that internal company benchmarks or expected returns are suitable for the project activity?</p> <p>(EB 62 Annex 5, §§ 13 – 14)</p> <p><i>Describe how it has been validated that there is only one possible project developer.</i></p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	OK
<p>B.5.4.24. Was the benchmark consistently used in the past by the same company for similar projects with similar risks?</p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(EB 62 Annex 5, § 14) <i>If applicable, assess the past financial behaviour of the entity during the last 3 years in relation to similar projects.</i>				
B.5.4.25. Was the cost of debt calculated based on the weighted average cost of debt financing of the legal entity owning the CDM project activity? (EB 62 Annex 5, § 16) <i>If applicable, assess whether loans, bonds or debt financing from a parent company are calculated according to the latest "Guidance on Investment Analysis".</i> <i>In case that the debt structure of the project is not yet available, the cost of debt can be assumed as the commercial lending rate in the company or the yield of a 10-year bond issued by the government of the host county.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.4.26. Does the equity/debt ratio of the project reflect the long-term debt/equity finance structure of the legal entity owning the assets of the project activity? (EB 62 Annex 5, § 17) <i>Assess the latest balance sheets of the legal entity owning the assets of the project activity, in case these are available and audited by a third party within two years prior to the submission of the CPA-DD for validation, and the accounting books reflect the total value of all assets needed for the</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>project activity.</i></p> <p><i>If debt/equity financing structure is not available, 50% equity, 50% debt shall be considered as default.</i></p>				
B.5.5. Assessment and Demonstration of CPA Additionality Barrier analysis Step 3 or SSC additionality assessment				
<p>B.5.5.1. Are there any barriers given which have a clear and direct impact on the financial returns of the project?</p> <p>(VVS, v. 2.0, § 125)</p> <p><i>In case of LSC projects those issues <u>cannot be considered</u> as barriers and shall be assessed in the investment analysis. In case of SSC projects the same fundamentals as for LSC projects shall apply, i.e. the assessment of the investment barrier according to EB 62 Annex 5. Only unavailability of sources of finance and/or risk related barriers, for example, the risk related to technical failure that could have negative impact on financial performance are acceptable as barriers.</i></p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	OK
<p>B.5.5.2. Has the unavailability of means of finance for the project been described and adequately substantiated? Do evidences doubtlessly prove that the financing of the project was assured only due to the benefit of the CDM?</p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(EB 50 Annex 13, § 9)				
<p>B.5.5.3. Would provision of additional financial means lead to the mitigation of the barrier(s) demonstrated?</p> <p>(EB 50 Annex 13, § 7) Describe why provision of additional financial means would not lead to mitigation of the barrier(s) demonstrated and hence analyzing the project's additionality within the framework of an investment analysis is inappropriate. .</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.5.4. How is it justified and evidenced that the barriers given in the PoA-DD / CPA-DD are real?</p> <p>(VVS, v. 2.0, § 126(a))</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.5.5. How is it justified that one or a set of real barriers prevent(s) the implementation of the project activity and do not prevent the implementation of at least one of the alternatives?</p> <p>(VVS, v. 2.0, § 126 (b))</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.5.5.6. Does the review of relevant background information on the nature of the company(ies) and entity(ies) involved in the financing and implementation of the project sufficiently justify that the barriers related to the lack of access to capital,</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
technologies and skilled labour are real? (EB 50 Annex 13, § 4)				
B.5.5.7. Has it been demonstrated in an objective way how the CDM alleviates each of the identified barriers to a level that the project is not prevented anymore from occurring by any of the barriers? (EB 50 Annex 13, § 5)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.6. Assessment and Demonstration of CPA Additionality Common practice analysis Step 4 (in case of SSC projects or first-of-its-kind LSC projects skip this step)				
B.5.6.1. Is the defined region for the common practice analysis appropriate for the technology/industry type? (VVS, v. 2.0, § 129(a)) <i>Describe why the project activity is not common practice in a transparent and unambiguous manner. If a region other than the entire host country is chosen, describe why this region is more appropriate.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
In case of projects activities applying ACM002, go to B.5.6.4				
B.5.6.2. To what extent similar projects have been	/PoA-	<i>Not applicable as the Additionality analysis will be done at CPA</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
undertaken in the relevant region? (VVS, v. 2.0, § 129(b)) <i>Similar projects are considered those that take place in a comparable environment w.r.t. regulatory framework, investment climate, access to technology and financing, etc. Registered CDM PA and PA that have been published on the UNFCCC website are not to be considered as similar.</i>	DD/	<i>level.</i>		
B.5.6.3. In case similar projects are identified, are there any key differences between the proposed project and existing or ongoing projects and what kind of differences are observed? (VVS, v. 2.0, § 129(c))	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.6.4. Has an output range as +/- 50% of the design output of the project activity been calculated in order to define the capacity range for “similar” projects? (EB65 Annex 21, § 47)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
B.5.6.5. Does N_{all} include only plants that have started commercial operation before the the start date of the project and are within the applicable output range? (EB65 Annex 21, § 47) <i>Under N_{all}, registered CDM projects and projects undergoing</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>validation are not to be included.</i>				
<p>B.5.6.6. Does N_{diff} include only plants that apply different “technology” than the project activity? (EB65 Annex 21, §§ 9, 47)</p> <p><i>The term “technology” refers to energy fuel, investment climate (access to technology, subsidies, legal regulations, etc...) or unit cost of output.</i></p> <p><i>Assess how the essential distinctions to identify the different measures have been carried out.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	OK
<p>B.6. Algorithms and/or formulae used to determine emissions reductions</p> <p><i>It is assessed whether the steps taken and the equations and parameters applied in the POA-DD/CPA-DD to calculate project emissions, baseline emissions, leakage and emission reductions comply with the requirements of the selected methodology including applicable tool(s).</i></p>				
<p>B.6.1. Are the equations applied correctly according to the applied approved methodology? (VVS, v. 2.0, §§ 72(c), 96)</p> <p><i>Describe clearly the steps taken to assess whether the methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission</i></p>	/PoA-DD/ /ACM02/	<p><input checked="" type="checkbox"/> The equations applied for calculation are correctly applied according to the approved methodology.</p> <p><input checked="" type="checkbox"/> The following mistakes have been identified in this context: <i>Description: All equations are correct, but Section B.6.3 of the Generic CPA-DD has to be revised. So, CL B6 was raised.</i></p>	CL B6	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>reductions. Further take into consideration that all estimates of the baseline emissions can be replicated using the data and parameter values provided in the programme documentation</i>		<p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i></p> <p>(CL B6) In Section B.6.3 of generic CPA-DD, it is not necessary to repeat text and variable descriptions done in section B.6.1, but rather substitute values in the equations.</p>		
<p>B.6.2. In case the methodology allows for different methodological choices, are the equations applied properly justified and have they been used reflecting the other methodological choices (i.e. baseline identification)?</p> <p>(VVS, v. 2.0, §§ 97, 98)</p> <p><i>Assess the correct selection and application of methodological choices. Describe whether proper justification has been provided (based on the choice of the baseline scenario, context of activity typical CPA and other evidence provided) and whether the correct equations have been used reflecting the relevant methodological choices.</i></p>	/ACM0 2/	<p><i>Not applicable as the methodology does not allow such choices.</i></p>	N/A	OK
<p>B.6.3. Have conservative assumptions been used when calculating the emission emissions?</p> <p>(VVS, v. 2.0, §§ 98, 99(a))</p> <p><i>Describe clearly the steps taken to assess whether all the assumptions and data used by the PP are listed in the POA-DD/CPA-DD including references and sources and are</i></p>	/PoA-DD/ /ACM0 2/	<p><i>Description:</i> The baseline emissions are calculated based on net energy delivered to the grid at the connection point multiplied by the combined margin emission factor (EF) calculated according to the Tool to Calculate the emission factor for an electric system and published by Brazilian DNA.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>conservatively interpreted in the POA-DD/CPA-DD.</i>		<p><i>Validator's action:</i> Data used is adequate as the EF value is publicly available and calculated by the Ministry of Science and Technology and published by the Brazilian DNA and net energy generation is: a) for a greenfield project: the quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year; b) for a retrofit or replacement of an existing grid-connected renewable power plant: the quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year <i>minus</i> the annual average historical net electricity generation delivered to the grid by the existing renewable energy plant that was operated at the project site prior to the implementation of the project activity <i>plus</i> the standard deviation of the annual average historical net electricity generation delivered to the grid by the existing renewable energy plant that was operated at the project site prior to the implementation of the project activity; c) for a capacity addition to an existing renewable energy power plant: the quantity of net electricity generation supplied to the grid in year y by the project plant/unit that has been added under the project activity.</p> <p><i>Conclusion:</i> Conservative assumptions have been used when calculating the project emissions.</p>		
B.6.4. Are all data sources and assumptions appropriate and parameters which remain	/PoA-DD/	<p><i>Description:</i> Yes, the fixed parameters will lead to a conservative estimation of emission reductions.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>fixed throughout the crediting period correct, applicable to the project and will lead to a conservative estimation of emission reductions?</p> <p>(VVS, v. 2.0, § 98)</p> <p><i>Describe clearly the steps taken to assess whether the values used for the fixed parameters are considered reasonable, correct and applicable in the context of the programme activity and typical CPA.</i></p>	/ACM0 2/	<p><i>Validator's action:</i> The fixed parameters are given by the applied methodology and tools.</p> <p><i>Conclusion:</i> The fixed parameters are from the emission factor tool and they will lead to a conservative estimation of emission reductions.</p>		
<p>B.6.5. Are all ex-ante calculation values for monitoring parameters (as defined per chapter B.7.1) reasonable?</p> <p>(VVS, v. 2.0, § 98)</p> <p><i>Describe clearly the steps taken to assess whether the values used for the monitoring parameters are considered reasonable, applicable and conservative in the context of the project activity</i></p>	/PoA- DD/	<p><input checked="" type="checkbox"/> All "Values of data to be applied for the purpose of calculating expected emissions reductions" are considered to be reasonable, applicable and conservative.</p> <p><input type="checkbox"/> The following mistakes have been identified in this context:</p> <p><i>Description:</i> The Quantity of net electricity generation supplied by the project plant to the grid in the year ($EG_{PJ,y}$ or $EG_{Facility,y}$ or $EG_{PJ_Add,y}$) will be estimated as the average total net electricity energy generated by the project activity in the year; $EF_{grid,CM,y}$ is calculated using the last version of the "Tool to calculate the emission factor for an electricity system" using the data provided by the Brazilian DNA for $EF_{grid,OM,y}$ and $EF_{grid,BM,y}$.</p> <p><i>Justification of evidences:</i> The PoA-DD have been checked against the applied methodology.</p> <p><i>Conclusion:</i> The values are appropriately described in the</p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		context of the programme of activities.		
B.6.6. Are the emission reductions real, measurable and give long-term benefits related to the mitigation of climate change. <i>Describe the steps taken to validate this issue.</i>	/PoA-DD/	<i>Not applicable as the calculation will be done at CPA level.</i>	N/A	OK
B.7. Operational, Management and Monitoring Plan of the PoA <i>It is assessed whether the operational, management and monitoring plan is appropriate for the project activity and in line with the applied methodology.</i>				
B.7.1. Operational and Management Plan				
B.7.1.1. Has the coordinating/managing entity established the operational and management arrangements for the implementation of the PoA, which includes a clear definition of roles and responsibilities of personnel involved in the CPA inclusion (i.a. their competencies) as well as records of arrangements for training and capacity development? (EB65, Annex 3, §§17(a,b),18)	/PoA-DD/	<p><i>Description:</i> The management arrangements are not totally complied at the PoA-DD, so CAR C1 was raised.</p> <p><i>Validator's action:</i> The PoA-DD has been checked.</p> <p><i>Conclusion:</i> (CAR C1) In Section C of PoA-DD, the management system is not described as required by the guidelines for completing the PoA-DD in line with paragraph 17 of PoA Standard.</p>	CAR C1	OK
B.7.1.2. Are procedures for technical review of the CPA inclusion part of the management	/PoA-DD/	<i>Description:</i> The procedures for technical review of CPA inclusion are established at the PoA-DD with the	CAR C1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
system? (EB65, Annex 3, §§17(c),18)		implementation of WayCarbon PoA Database. Nevertheless, some revision is necessary. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR C1 above.		
B.7.1.3. Do the arrangements include a system/ procedure to avoid double accounting, e.g., to avoid the case of including a new CPA that has been already registered either as CDM project activity or as a CPA of another PoA? (EB65, Annex 3, §§17(d),18)	/PoA-DD/	<i>Description:</i> There are procedures to avoid double accounting with the inclusion of the WayCarbon PoA Database, checking if the CPA has already been registered as CDM project activity and/or is part of another PoA. Nevertheless, some revision is necessary. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR C1 above.	CAR C1	OK
B.7.1.4. Does the management system include a records and documentation control process for each CPA under the PoA? (EB65, Annex 3, §§17(e),18)	/PoA-DD/	<i>Description:</i> No, there are no procedures to include records and documentation control process for each CPA, so CAR C1 was raised. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR C1 above.	CAR C1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>B.7.1.5. Do the arrangements include measures for continuous improvement of the PoA management system?</p> <p>(EB65, Annex 3, §§17(g),18)</p>	/PoA-DD/	<p><i>Description:</i> No, there are no measures for continuous improvement of the PoA management system, so CAR C1 was raised.</p> <p><i>Validator's action:</i> The PoA-DD has been checked.</p> <p><i>Conclusion:</i> Refer to CAR C1 above.</p>	CAR C1	OK
<p>B.7.1.6. Are all other relevant elements to ensure the CME's competency to check the features of potential CPAs and ensure that each CPA meets all requirements and eligibility criteria before inclusion in the registered PoA taken into account?</p>	/PoA-DD/	<p><i>Description:</i> Several elements have been taken into account to ensure the CME's competency to check the features of potential CPAs and ensure that each CPA meets all requirements and eligibility criteria before inclusion in the registered PoA. Nevertheless, CAR C1 has to be closed to assess this issue.</p> <p><i>Validator's action:</i> The PoA-DD has been checked.</p> <p><i>Conclusion:</i> Refer to CAR C1 above.</p>	CAR C1	OK
B.7.2. Monitoring Plan				
<p>B.7.2.1. Are all monitoring parameters required by the applied methodology contained in the monitoring plan?</p> <p>(VVS, v. 2.0, §§ 72 (e), 131, 132 (a) (i))</p> <p><i>Assess whether all applicable parameters listed in the</i></p>	/PoA-DD/ /ACM02/	<p><i>Description:</i> Yes, parameters $EG_{PJ,y}$ (or $EG_{Facility,y}$ or $EG_{PJ_Add,y}$), $EF_{grid,CM,y}$, $EF_{grid,OM,y}$ and $EF_{grid,BM,y}$ are contained in the monitoring plan.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>methodology are included in the monitoring plan.</i></p> <p><i>Pl. check further whether the selection of parameters not to be monitored (section B.6.2) is appropriate and in line with the applied methodology.</i></p> <p><i>In case of different approaches can be chosen acc. to the methodology assess whether the selection of parameters is justified and correct.</i></p>	/MT/	<p><i>Validator's action:</i> The applied methodology and tool were checked and compared with the PoA-DD and generic CPA_DD version 2.</p> <p><i>Conclusion:</i> All monitoring parameters required by the applied methodology are in the monitoring plan.</p>		
<p>B.7.2.2. Are the means of monitoring of all parameters contained in the monitoring plan feasible within the PoA design?</p> <p>(VVS, v. 2.0, §§ 132 (b) (i), 133(b))</p> <p><i>Describe the steps undertaken to assess whether the monitoring arrangements described in the monitoring plan are feasible within the project design.</i></p>	<p>/PoA-DD/</p> <p>/ACM02/</p> <p>/dna/</p>	<p><i>Description:</i> Parameters $EF_{grid,OM,y}$ and $EF_{grid,BM,y}$ are given by the Brazilian DNA for the calculation of $EF_{grid,CM,y}$.</p> <p>Nevertheless, the description for monitoring of $EG_{PJ,y}$ (or $EG_{Facility,y}$ or $EG_{PJ_Add,y}$) is no clear, so CL B7 was raised.</p> <p><i>Validator's action:</i> The procedures for monitoring and calculating the monitored parameters are described in the monitoring plan and are feasible and in accordance with the requirements of ACM0002.</p> <p><i>Conclusion:</i> T</p> <p>(CL B7) In Section B.7.1 of generic CPA-DD, the statement about “measurements methods and procedures” for parameter $EG_{PJ,y}$ is not completely clear. Similar text is repeated in second paragraph of section B.7.2.</p> <p>Further it is not stated whether the meters are uni or bi-directional.</p>	CL-B7	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)				Draft Concl.	Final Concl.
B.7.2.3. EG_{PJ,y} (or EG_{Facility,y} or EG_{PJ_Add,y}): Quantity of net electricity generation supplied by the project plant to the grid in year y (VVS, v. 2.0, § 132(a)– (ii)) <i>Indicate whether the provided information for the monitoring parameter complies with the approved methodology including applicable tool(s) in the aspects listed.</i> <i>For checking the use of international standards in the nomenclature, consider:</i> a) Standard format (e.g. 1,000 representing one thousand and 1.0 representing one). b) Values shall be directly given in SI units – or additionally to original units transferred to SI. c) Short scale naming system: (Only) million = 10 ⁶ and billion 10 ⁹ shall be used.	/PoA-DD/ /ACM02/	Requirement	OK	Not OK	N/A	CL-B7	OK
		Label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Data Unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Source of data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Measurement equipment / measure method	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
		Monitoring frequency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		QA/QC procedures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Purpose of data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Standard format	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		SI units	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Short scale naming	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
B.7.2.4. EF_{grid,CM,yJ,y} : Combined margin CO₂ emission factor in year y (VVS, v. 2.0, § 132(a)– (ii)) <i>Indicate whether the provided information for the monitoring parameter complies with the approved methodology including applicable tool(s) in the aspects listed.</i> <i>For checking the use of international standards in the nomenclature, consider:</i>	/PoA-DD/ /ACM02/ /dna/	Requirement	OK	Not OK	N/A	OK	OK
		Label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Data Unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Source of data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Measurement equipment /	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>d) Standard format (e.g. 1,000 representing one thousand and 1.0 representing one).</p> <p>e) Values shall be directly given in SI units – or additionally to original units transferred to SI.</p> <p>f) Short scale naming system: (Only) million = 10^6 and billion 10^9 shall be used.</p>		<p>measure method</p> <p>Monitoring frequency <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>QA/QC procedures <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Purpose of data <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Standard format <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p> <p>SI units <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Short scale naming <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>		
<p>B.7.2.5. $EF_{grid,OM,y,y}$: Operating margin CO_2 emission factor in year y</p> <p>(VVS, v. 2.0, § 132(a)– (ii))</p> <p>Indicate whether the provided information for the monitoring parameter complies with the approved methodology including applicable tool(s) in the aspects listed.</p> <p>For checking the use of international standards in the nomenclature, consider:</p> <p>g) Standard format (e.g. 1,000 representing one thousand and 1.0 representing one).</p> <p>h) Values shall be directly given in SI units – or additionally to original units transferred to SI.</p> <p>i) Short scale naming system: (Only) million = 10^6 and billion 10^9 shall be used.</p>	<p>/PoA-DD/</p> <p>/ACMO2/</p> <p>/dna/</p>	<p>Requirement OK Not OK N/A</p> <p>Label <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Data Unit <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Description <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Source of data <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Measurement equipment / measure method <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Monitoring frequency <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>QA/QC procedures <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Purpose of data <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Standard format <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p> <p>SI units <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		Short scale naming <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
B.7.2.6. $EF_{grid,BM,yJ,y}$: <i>Build margin CO₂ emission factor in year y</i> (VVS, v. 2.0, § 132(a)– (ii)) <i>Indicate whether the provided information for the monitoring parameter complies with the approved methodology including applicable tool(s) in the aspects listed.</i> <i>For checking the use of international standards in the nomenclature, consider:</i> j) <i>Standard format (e.g. 1,000 representing one thousand and 1.0 representing one).</i> k) <i>Values shall be directly given in SI units – or additionally to original units transferred to SI.</i> l) <i>Short scale naming system: (Only) million = 10⁶ and billion 10⁹ shall be used.</i>	/PoA-DD/ /ACM0 2/ /dna/	Requirement <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Data Unit <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Description <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Source of data <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Measurement equipment / measure method <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Monitoring frequency <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> QA/QC procedures <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Purpose of data <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Standard format <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> SI units <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Short scale naming <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	OK	OK
B.7.2.7. Has a monitoring plan for all types of CPA been developed in accordance with the approved monitoring methodology, and identified the monitoring provisions and data parameters a CPA has to apply/monitor?	/PoA-DD/ /ACM0 2/	<i>Description:</i> Yes, a monitoring plan for all types of CPA has been developed in accordance with the approved monitoring methodology. <i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, § 198)		<i>Conclusion:</i> There is a monitoring plan for all types of CPA in accordance with the approved monitoring methodology.		
<p>B.7.2.8. Have all means of implementing the monitoring plan, e.g. equations necessary for ex-post emission reduction calculation, been described clearly and in line with the methodology?</p> <p>(VVS, v. 2.0, § 131) <i>Check whether all necessary equations have been provided in the POA-DD/CPA-DD. Pl. consider that ex-post and ex-ante calculations might be different.</i> <i>Please consider that additional equations might be necessary to calculate auxiliary parameters.</i></p>	/PoA-DD/ /ACM0 2/	<p><i>Description:</i> Yes, all equations necessary to ex-post emission reduction calculation are clearly defined.</p> <p><i>Validator's action:</i> Equations are clearly defined in the PoA-DD, which has been checked.</p> <p><i>Conclusion:</i> All means of implementing the monitoring plan have been clearly described and are in line with the methodology. The equations used for ER calculations are correctly and clearly defined.</p>	OK	OK
<p>B.7.2.9. Is it likely that the monitoring arrangements described in the PoA-DD/CPA-DD can properly be implemented in the context of the project activity?</p> <p>(VVS, v. 2.0, § 132(b) (i)) <i>Assess whether the described monitoring arrangements are sufficient and realistic to enable a thorough monitoring. Pl. consider also special monitoring conditions, e.g. downtimes of monitoring equipment etc.</i></p>	/PoA-DD/ /ACM0 2/	<p><i>Description:</i> The monitoring arrangements are correctly and well described in the PoA-DD/CPA-DD and can be properly implemented in the context of each CPA.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> The monitoring arrangements can be properly implemented in the context of each CPA.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>B.7.2.10. Are the QA/QC procedures appropriate and sufficient to ensure the emission reductions achieved from the programme activity can be reported ex-post and verified?</p> <p>(VVS, v. 2.0, § 132(b) (ii)) Please consider the description given in the relevant section of the PoA-DD and the CPA-DD. Describe which QA/QC provisions are considered. Address Quality Management System provisions, calibration and maintenance of equipment. Address further any review procedures.</p>	/PoA-DD/ /ACMO 2/	<p><i>Description:</i> The QA/QC procedures are appropriate and sufficient to ensure that the emission reductions achieved from the programme activity can be reported ex-post and verified.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> The QA/QC procedures are appropriate.</p>	OK	OK
<p>B.7.2.11. Are procedures identified for data management?</p> <p>(VVS, v. 2.0, § 132(b) (ii)) Check whether appropriate provisions are considered for data management including responsibilities, what records to keep, storage area of records and how to process performance documentation Check further the data archiving provisions for the project activity and ensure that provisions are made to archive data for the whole crediting period + 2 years.</p>	/PoA-DD/	<p><i>Description:</i> Yes, procedures, type of data and responsibilities are identified and provisions for data archiving are made.</p> <p><i>Validator's action:</i> There are identified procedures for data management system described in the PoA-DD.</p> <p><i>Conclusion:</i> The procedures for data management are properly identified and deemed appropriate.</p>	OK	OK
<p>C. Duration and Crediting Period</p> <p>It is assessed whether the temporary boundaries of the programme are clearly defined.</p>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
C.1.1. Is the starting date of any CPA prior to the commencement of the validation of the PoA (date of publication for GSCP)? (VVS, v. 2.0, § 193)	/PoA-DD/ /CPA-DD/ /IM01/ /unfccc/ /	<p><i>Description:</i> No, as the starting date of the first CPA (and unique at the time of the PoA validation process) is 2014-03-14 and the date of publication for GSCP of the PoA has happened in 2012-04-20.</p> <p><i>Validator's action:</i> The PoA-DD, CPA-DD and UNFCCC website were checked and interviews with project participants were performed to assess this issue.</p> <p><i>Conclusion:</i> No starting date of any CPA has occurred prior than the date of publication for GSCP of the PoA.</p>	OK	OK
C.1.2. Is the project's operational lifetime clearly defined and evidenced? <i>Check whether the project lifetime is correctly defined. Consider the latest "Guidance on the assessment of investment analysis".</i> <i>Check in case of phased implementation this has been reflected throughout the whole PoA-DD incl. the financial assessment, if applicable.</i>	/PoA-DD/	<p><i>Not applicable as the operational lifetime will be defined at CPA level.</i></p>	N/A	OK
C.1.3. Is the start of the crediting period clearly defined and reasonable? <i>Check whether the envisaged starting date of the crediting period is realistic, taking into consideration the times needed for validation and registration.</i>	/PoA-DD/	<p><i>Not applicable as the crediting period will be defined at CPA level.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>The crediting period of the PoA should be renewed every seven years (every 20 years for A/R PoA) from the start date of the lifetime of the PoA.</i></p> <p><i>Life time of the PoA starts on the date specified in the PoA-DD section B.1 or on the date of registration, whichever is later.</i></p> <p><i>In case of small-scale PoA, the start date must be stated as at least 4 weeks after the estimated submission date;</i></p> <p><i>In case of large-scale PoA, the start date must be stated as at least 8 weeks after the estimated submission date.</i></p> <p><i>(PoA registration uploading requirements step 4)</i></p>				
<p>C.1.4. Does the crediting period of the PoA or an individual CPA not exceed 28 years?</p> <p>(VVS, v. 2.0, § 197)</p>	/PoA-DD/	<p><i>The crediting period of the PoA is defined as 28 years in section D.2 of the PoA-DD version 2.0, in line with EB 55, Annex 38 § 6 (h). However, the crediting period of the CPA shall be defined at CPA level and will not exceed the PoA duration</i></p>	OK	OK
<p>D. Environmental Impacts</p> <p><i>Documentation on the analysis of the environmental impacts will be assessed, and if deemed significant, an EIA should be provided to the DOE.</i></p>				
<p>D.1.1. Are there any Host Party requirements for an Environmental Impact Assessment (EIA) on PoA and/or typical CPA level?</p> <p>(VVS, v. 2.0, §§ 134-135, 199)</p>	/conama/ /EL/	<p><i>Description: For this type of project, the host party requires an Environment Impact Assessment or other similar environmental study at CPA level.</i></p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>Check the host party regulations regarding EIA. If no requirements for an EIA exist, discuss whether the project participants conducted an analysis of the environmental impacts of the project activity.</i>		<p><i>Justification of evidences:</i> Brazilian environmental legislation has been checked.</p> <p><i>Conclusion:</i> The project complies with host party legislation regarding EIA as there is a requirement that each CPA shall be in compliance with the Brazilian environmental licensing process, which has the environmental study as its first step.</p>		
<p>D.1.2. In case an Environmental Impact Assessment (EIA) is requested by the host party, has it been carried out and if applicable duly approved in accordance with the host Party procedures?</p> <p>(VVS, v. 2.0, §§ 135, 199)</p> <p><i>Check the EIA and its approval, if applicable. If the EIA is conducted at CPA level, please assess if the EIA was conducted according to the description in the CPA-DD and the PoA-DD.</i></p>	/PoA-DD/	<p><i>Not applicable as the environmental study will be defined at CPA level.</i></p>	N/A	OK
<p>D.1.3. Has it been clearly indicated on which level i.e. PoA level or CPA level, an environmental analysis has been carried out or will be carried out?</p> <p>(VVS, v. 2.0, § 200)</p> <p><i>Please check whether the indication is in line with the provided documentation.</i></p>	/PoA-DD/ /conama/ /EL/	<p><i>Description:</i> Yes, it is clearly stated at Section E.1 of the PoA-DD that the environmental study will assess the environmental impacts of the CPA's proposed activity and which is required by the environmental agency for the Prior License (LP) granting.</p> <p><i>Validator's action:</i> The PoA-DD and Brazilian environmental legislation were checked.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<i>Conclusion:</i> It is clear that the environmental study will be done at CPA level.		
D.1.4. Does the PoA-DD contain a sufficiently described justification on the choice of level at which the EIA is undertaken?	/PoA-DD/ /conama/ /EL/	<p><i>Description:</i> The PoA-DD states that according to CONAMA's Normative Resolution #001/86, each activity that utilize natural resources and that is considered as entrepreneurship with high degradation or pollution potential must have its environmental impact assessment and environmental impact report elaborated to obtain the environmental licenses.</p> <p>So, it is clear that as per the Brazilian environmental legislation, the environmental study has to be undertaken at CPA level.</p> <p><i>Validator's action:</i> The PoA-DD and Brazilian environmental legislation were checked.</p> <p><i>Conclusion:</i> The PoA-DD describes clearly and correctly that the environmental study has to be undertaken at CPA level.</p>	OK	OK
D.1.5. Are transboundary environmental impacts considered in the analysis? (VVS, v. 2.0, § 134) <i>Check the documents and local official sources / expertise regarding transboundary environmental impacts.</i>	/PoA-DD/	<p><i>Not applicable, since no transboundary environmental impacts are envisaged for such type of project.</i></p>	N/A	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
E. Stakeholder Comments <i>The DOE should ensure that stakeholder comments have been invited with appropriate media and that due account has been taken of any comments received.</i>				
<p>E.1.1. With regard to the PoA, how have relevant local stakeholders' comments been invited to consultation prior to the publication of the PoA-DD/CPA-DD?</p> <p>(VVS, v. 2.0, §§ 138-140, 201, 202)</p> <p><i>If such comments are to be sought at the CPA level this shall be described and reflected in the PoA-DD and the CPA-DD.</i></p> <p><i>Check by means of document review and interviews with local stakeholders if and when a local stakeholder consultation process has been carried out.</i></p>	<p>/PoA-DD/ /SHCP/ /way/</p>	<p><i>Description:</i> Yes, as described in section E.1, several relevant stakeholders have been invited for the consultation prior to the publication of the PoA-DD and in accordance with Resolution 09 of the Interministerial Commission for Global Climate Change:</p> <ul style="list-style-type: none"> I. Executive Secretariat of the Interministerial Commission for Global Climate Change (CIMGC); II. FBOMS – Forum of Brazilian NGOs; III. Brazilian Clean Energy Generation Association (ABRAGEL); IV. Brazilian Wind Energy Association (ABEEÓLICA); V. Brazilian Renewable Energy and Environment Association (ABEAMA); VI. Brazilian Environmental Engineering Association (ABES); VII. State Attorney for Public Interest (Federal). <p><i>Validator's action:</i> Invitations and confirmations of receipt have been presented to the validation team.</p> <p><i>Conclusion:</i> Relevant stakeholders have been invited to consultation prior to the publication of PoA-DD for GSC.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>E.1.2. How have the comments received been compiled and can the summary be assessed as complete and adequate?</p> <p>(VVS, v. 2.0, §§ 201, 202)</p>	<p>/PoA-DD/ /SHCP/ / /way/</p>	<p><i>Not applicable as no comments have been received</i></p>	<p>N/A</p>	<p>N/A</p>
<p>E.1.3. With regard to the PoA, can the local stakeholder consultation process be assessed as adequate?</p> <p>(VVS, v. 2.0, §§ 138-140, 201)</p> <p><i>Describe what assessment steps have been undertaken to assess the adequacy of the stakeholder consultation process. Give a final opinion on the adequacy.</i></p> <p><i>Please consider the following requirements in this context:</i></p> <p><i>(a) Comments by local stakeholders that can reasonably be considered relevant for the proposed CDM project activity, have been invited;</i></p> <p><i>(b) The summary of the comments received as provided in the PoA-DD/CPA-DD is complete;</i></p> <p><i>(c) The project participants have taken due account of any comments received and have described this process in the PoA-DD/CPA-DD.</i></p>	<p>/PoA-DD/ /SHCP/ / /way/</p>	<p><i>Description:</i> All relevant stakeholders have been invited to consultation following host country DNA rules (Resolution 09) prior to the publication of PoA-DD for GSC and according to PP there was no comment from local stakeholders received to date.</p> <p>As the comment was neutral, no actions have been developed by the PPs.</p> <p>So, the local SHC can be assessed as adequate and has observed all rules of the Brazilian DNA.</p> <p><i>Validator's action:</i> Invitations letters and confirmations of receipt were evidenced. The website indicated in the PDD was checked and the Portuguese version of the PoA-DD as well as the Annex describing the contribution of the project to the sustainable development were both available, confirming compliance with host country DNA rules for CDM local SHC.</p> <p><i>Conclusion:</i> The local stakeholder consultation process can be</p>	<p>OK</p>	<p>OK</p>

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		assessed as adequate.		
F. Others				
F.1. Definition of Roles				
<p>F.1.1. Does the section A.3 of the PoA-DD include an identification of the coordinating/ managing entity (a private or public entity), Host Party(ies) and PoA participants?</p> <p><i>Project participants may or may not be involved in one of the CPAs related to the PoA. The operators of individual CPAs are not required to be project participants. CDM programme participation is only recorded at the PoA level.</i></p>	/PoA-DD/	<p><i>Description:</i> Yes. In Section A.3 of the PoA-DD, it is clearly stated that the CME is the private entity WayCarbon Soluções Ambientais e Projetos de Carbono Ltda..</p> <p><i>Validator's action:</i> The PoA-DD has been checked.</p> <p><i>Conclusion:</i> There is a clear identification of the CME of the PoA in Section A.3.</p>	OK	OK
<p>F.1.2. Is there any Party directly involved as project participant, and if yes, is that Party's contact details included in annex 1 of the PoA-DD and is the information provided internally consistent with section A.3 of the PoA-DD?</p>	/PoA-DD/	<p><i>Description:</i> No, there is no party directly involved as PP.</p> <p><i>Validator's action:</i> The PoA-DD has been checked.</p> <p><i>Conclusion:</i> There is no party directly involved as PP.</p>	OK	OK
<p>F.2. Approval – Contribution to Sustainable Development</p> <p><i>The written approval of the parties involved is a mandatory requirement.</i></p>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>F.2.1. Have written approvals of all parties involved (incl. the CME) been provided to the validation team?</p> <p>(VVS, v. 2.0, § 38)</p> <p><i>Indicate whether a letter of approval has been received, with a clear reference to the supporting documentation.</i></p> <p><i>Indicate whether this letter was provided to the DOE by the project participants or directly by the DNA</i></p>	/dna/	<p><i>Description:</i> Brazil is the host and only involved party. In accordance with the CDM M&P at the stage of validation, a party involved may or may not have provided its approval at the time of making the PoA-DD public. The approval of the parties involved is required at the time of requesting registration.</p> <p>For the Brazilian DNA, a positive DOE opinion is necessary prior to the request of the LoA.</p> <p><i>Validator's action:</i> DNA rules have been checked.</p> <p><i>Conclusion:</i> The Brazilian LoA will be requested only if the project receives a positive opinion.</p>	OK	OK
<p>F.2.2. Are the approvals issued from organizations listed as DNAs on the UNFCCC CDM website?</p> <p>(VVS, v. 2.0, §§ 41)</p> <p><i>Indicate the means of validation employed to assess the authenticity, i.e. in case of doubt whether LoA has been verified with the DNA. Further describe which entity submitted the LoA for validation.</i></p>	/dna/	<p><i>See comments at F.2.1 above.</i></p>	OK	OK
<p>F.2.3. Do the written approvals confirm that the corresponding party is a Party to the Kyoto Protocol?</p>	/unfccc /	<p><i>Description:</i> Brazil, the host country, has ratified the Kyoto Protocol on 23rd August 2002. The Brazilian DNA assigned for CDM is the "Interministerial Commission on Global Climate</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, § 39(a))		Change". Nevertheless, as said above, a positive DOE opinion is necessary prior to the request of the LoA. <i>Validator's action:</i> Evidenced at UNFCCC website. <i>Conclusion:</i> See comments at F.2.1 above.		
F.2.4. Do the written approvals confirm that the participation is voluntary? (VVS, v. 2.0, § 39(b))	/dna/	See comments at F.2.1 above.	OK	OK
F.2.5. Does the written approval from the host country confirm that the project contributes to the sustainable development in the country? (VVS, v. 2.0, § 39(c))	/dna/	See comments at F.2.1 above.	OK	OK
F.2.6. Do the written approvals refer to the precise project title in the PoA-DD submitted for registration or an additional specification of the project activity, e.g. PoA-DD version number? (VVS, v. 2.0, §§ 39(d))	/dna/	See comments at F.2.1 above.	OK	OK
F.2.7. Are the written approvals unconditional with regard to F.1.3 to F.1.6? (VVS, v. 2.0, § 40)	/dna/	See comments at F.2.1 above.	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
F.2.8. Is the information regarding the project participants listed in tabular form in the PoA-DD and is internally consistent with the information provided in the section that contains the contact information of the project participants? (VVS, v. 2.0, § 46)	/PoA-DD/	<i>Description:</i> Yes, as stated at section A.3 and in Annex 1, the project participant is WayCarbon Soluções Ambientais e Projetos de Carbono Ltda.. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> The information regarding project participant is consistent.	OK	OK
F.2.9. Are all project participants listed in the PoA-DD approved at least by one Party involved? (VVS, v. 2.0, § 45) <i>Indicate whether the participation of the project participant(s) has been approved by a Party to the Kyoto Protocol.</i> <i>Describe the means of validation employed to draw this conclusion.</i>	/dna/	<i>See comments at F.2.1 above.</i>	OK	OK
F.2.10. Are any other project participants than those authorized as project participants listed in the PoA-DD? (VVS, v. 2.0, § 47)	/PoA-DD/	<i>Not applicable as there is no other project participant.</i>	N/A	OK
F.3. Modalities of Communication Statement <i>A due diligence on the Modalities of Communication statement in accordance with the requirements</i>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>established in the VVS is mandatory.</i>				
<p>F.3.1. Has a valid Modalities of Communication (MoC) been provided to the validation team from a project participant with whom the DOE has a contractual relationship? (VVS, v. 02, § 55)</p> <p><i>Indicate whether a MoC has been received, with a clear reference to the contractual relationship of the project participant with the DOE.</i></p>	/MOC/	<p><i>Description:</i> Yes. The MoC from WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. has been provided to the validation team.</p> <p><i>Validator's action:</i> The MoC was checked.</p> <p><i>Conclusion:</i> The MoC from WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. has been provided.</p>	OK	OK
<p>F.3.2. Has the MoC been signed by a duly authorized person on behalf of the respective project participant? (VVS, v. 2.0, §§ 54, 56)</p> <p><i>Please Indicate how the personal and corporate identities of all project participants and focal points included in the MoC statement have been validated,:</i></p>	/MOC/	<p>The personal and corporate identities of all project participants and focal points included in the MoC were validated by:</p> <p><input checked="" type="checkbox"/> Directly checking evidence for corporate and personal entity</p> <p><input type="checkbox"/> Notarized documentation</p> <p><input type="checkbox"/> Written confirmation from the project participant that all corporate and personal details are accurate and valid. , including specimen signatures and employment status of their signaries whether a letter of approval has been received, with a clear reference to the supporting documentation</p>	OK	OK
F.3.3. Has the MoC statement correctly been completed?	/MOC/	<input checked="" type="checkbox"/> The latest version of the form (F-CDM-MOC) has been used	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, §§ 59, 60)		<input checked="" type="checkbox"/> Annex 1 of the MoC is correctly completed <input checked="" type="checkbox"/> The project participants' authorized signatories signing the MoC are also listed in Annex 1 of the MoC.		
<p>F.3.4. Does the MOC confirm that the Coordinating/managing entity of the PoA communicates with the Board, and is the information in the MoC on all Project participants consistent with the PoA-DD?</p> <p><i>Procedures for modalities of communication between project participants and the Executive Board shall apply, with the exception that the coordinating/managing entity shall be either sole or joint focal point for each area of communication. The limit of joint focal points for the programme shall be 5, or equal to the number of host Parties if greater than 5.</i></p>	/MOC/	<p><i>Description:</i> Yes, the MOC confirms that WayCarbon Soluções Ambientais e Projetos de Carbono Ltda. is the focal point of the PoA.</p> <p><i>Validator's action:</i> The MoC was checked.</p> <p><i>Conclusion:</i> The MOC complies with the requirements and states that the CME of the PoA communicates with the EB.</p>	OK	OK
<p>F.4. Project documentation editorial aspects</p> <p><i>The PoA-DD and the CPA-DD used as a basis for validation shall be prepared in accordance with the latest template and guidance from the CDM Executive Board available on the UNFCCC CDM website.</i></p>				
<p>F.3.1. Have the latest versions of the PoA-DD and the CPA-DD form been applied?</p> <p>(VVS, v. 2.0, § 62)</p>	/unfccc / /PoAD D-T/	<p><i>Description:</i> Yes, it has been used the version 02.0 of CDM-PoA-DD. No deviations thereof have been observed.</p> <p><i>Validator's action:</i> The website of the UNFCCC was checked.</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<i>Conclusion:</i> The latest PoA-DD template has been used.		
F.3.2. Have the PoA-DD and the generic CPA-DD been duly filled in accordance with the latest guidance(s)? (VVS, v. 2.0, § 63)	/PoA-DD/ /unfccc/ / /GCP/	<i>Description:</i> The PoA-DD has been filled in accordance with the PDD guidelines. <i>Validator's action:</i> The PoA-DD has been checked by the validation team. <i>Conclusion:</i> The PoA-DD has been duly filled in accordance with the latest guidance.	OK	OK

ANNEX 2: ASSESSMENT OF APPLICABILITY CRITERIA

Table A-2: Assessment of Applicability Criteria (VVS, v. 2.0 §§ 70 – 76)

Applicability Criteria	Evidence used	met	not met	N/A	Assessment of validation team (results and means of assessment)
The project activity is the installation, capacity addition, retrofit or replacement of a power plant/unit of one of the following types: hydro power plant/unit (either with a run-of-river reservoir or an accumulation reservoir), wind power plant/unit, geothermal power plant/unit, solar power plant/unit, wave power plant/unit or tidal power plant/unit.	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applicability condition is fulfilled, as each CPA consists of an installation, capacity addition, retrofit or replacement of a “wind power plant/unit”.
In case of capacity additions, retrofits or replacements (except for capacity addition projects for which the electricity generation of the existing power plant(s) or unit(s) is not affected): the existing plant started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions and defined in the baseline emission section, and no capacity expansion or retrofit of the plant has been undertaken between the start of this minimum historical reference period and the implementation of the project activity.	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Considering that the proposed PoA also apply for capacity addition, retrofits or replacements, this applicability condition is applied and will be assessed at the CPA level.

<p>In case of hydro power plants:</p> <ul style="list-style-type: none"> At least one of the following conditions must apply: <ul style="list-style-type: none"> The project activity is implemented in an existing single or multiple reservoirs, with no change in the volume of any of the reservoirs; or The project activity is implemented in an existing single or multiple reservoirs, where the volume of any of reservoirs is increased and the power density of each reservoir, as per the definitions given in the Project Emissions section, is greater than 4 W/m² after the implementation of the project activity; or The project activity results in new single or multiple reservoirs and the power density of each reservoir, as per the definitions given in the Project Emissions section, is greater than 4 W/m² after the implementation of the project activity. 	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applied as the proposed PoA is based in wind-based sources.
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<p>In case of hydro power plants using multiple reservoirs where the power density of any of the reservoirs is lower than 4 W/m² after the implementation of the project activity all the following conditions must apply:</p> <ul style="list-style-type: none"> ○ The power density calculated for the entire project activity using equation 5 is greater than 4 W/m²; ○ All reservoirs and hydro power plants are located at the same river and were designed together to function as an integrated project that collectively constitutes the generation capacity of the combined power plant; ○ The water flow between multiple reservoirs is not used by any other hydropower unit which is not a part of the project activity; ○ The total installed capacity of the power units, which are driven using water from the reservoirs with a power density lower than 4 W/m², is lower than 15MW; ○ The total installed capacity of the power units, which are driven using water from reservoirs with a power density lower than 4 W/m², is less than 10% of the total installed capacity of the project activity from multiple reservoirs. 	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applied as the proposed PoA is based in wind-based sources.
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<p>The methodology is not applicable to the following:</p> <ul style="list-style-type: none"> ○ Project activities that involve switching from fossil fuels to renewable energy sources at the site of the project activity, since in this case the baseline may be continued use of fossil fuels at the site; ○ Biomass fired power plants; ○ A hydro power plant that results in the creation of a new single reservoir or in the increase in an existing single reservoir where the power density of the reservoir is less than 4 W/m² 	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applicability condition is fulfilled. The PoA does not involve fuel switch; biomass fired power plants and it is not hydro power plants.
<p>In the case of retrofits, replacements, or capacity additions, this methodology is only applicable if the most plausible baseline scenario, as a result of the identification of baseline scenario, is 'the continuation of the current situation, i.e. to use the power generation equipment that was already in use prior to the implementation of the project activity and undertaking business as usual maintenance.</p>	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Considering that the proposed PoA also apply for capacity addition, retrofits or replacements, this applicability condition is applied and will be assessed at the CPA level.

ANNEX 3: ASSESSMENT OF BASELINE IDENTIFICATION

Table A-3: Assessment of Baseline Identification (VVS, v. 2.0 §§ 88 – 95)

<input checked="" type="checkbox"/>	Baseline is pre-defined by the methodology
<input type="checkbox"/>	Assessment of baseline see below

Baseline Alternatives identified	In line with the Methodology?	Eliminated	Reasons for elimination / non-elimination from list of alternatives	Evidence used	DOE Assessment	
					Appropriateness of elimination	Assessment of validation team (results and means of assessment)

ANNEX 4: ASSESSMENT OF FINANCIAL PARAMETERS

Table A-4: Assessment of Financial Parameters (VVS, v. 2.0, §§ 120, 121 / in case financial parameters stem from FSR §122)

<input type="checkbox"/>	No financial parameters are used for additionality justification at PoA level. The additionality is assessed at CPA level.					
<input type="checkbox"/>	Assessment of all financial parameters see below					
Parameter	Value applied	Unit	Source of Information (please indicate document and page)	Reference	DOE ASSESSMENT	
					Correctness of value applied	Comment

The assessment of financial parameters shall be done at CPA level.

ANNEX 5: ASSESSMENT OF BARRIER ANALYSIS

Table A-5: Assessment of Barrier Analysis (VVS, v. 2.0, §§ 124-127)

<input type="checkbox"/>	No barrier parameters are used for additionality justification			
<input checked="" type="checkbox"/>	As per additionality justification at CPA level			
<input type="checkbox"/>	Assessment of barriers see below			
Kind of Barrier (invest, tech, other)	Description of Barrier	Evidence used	Assessment of validation team	
			Appropriateness of information source	Explanation of final result

ANNEX 6: OUTCOME OF THE GSCP

Table A-6: Outcome of the Global Stakeholder Consultation Process

(VVS Version 2.0, §§ 34- 37)

<input checked="" type="checkbox"/>	No comments were received during the global stakeholder consultation period					
<input type="checkbox"/>	Comments were received during the global stakeholder consultation period. The comments (in unedited form) and the consideration/response of the validation team are presented below:					
Comment No.:	Comment by:	Inserted on:	Subject	Comment ^{*)}	Action taken by the validation team to take due account on the comment ^{*)}	Conclusion (incl. CARs CLs or FARs)

^{*)} In case clarifications have been requested by the validation team corresponding rows shall be added

ANNEX 7: ELIGIBILITY CRITERIA ASSESSMENT

Table A-7: Assessment on Eligibility Criteria for inclusion of CPAs under this PoA

A full list shall be included in section B.2 of the PoA-DD and B.5 of the generic CPA-DD.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
A	The geographical boundary of the CPA including any time-induced boundary consistent with the geographical boundary set in the PoA.	The CPA shall correspond to a wind electricity generation facility located in Brazil and connected to the Brazilian National Interconnected System.	Documents from ANEEL, ONS or consistent documents regarding the location of the power plant(s) unit(s) can be presented to ensure the CPA location	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (a) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements and Brazilian electric sector framework. In addition, it is verifiable, objective and comprehensive, as ANEEL and ONS documents are official and public.
B	Conditions that avoid double counting of emission reductions like unique identifications of product and end-user locations (e.g. programme logo).	The CPA's geographical coordinates shall be provided in an unambiguous manner in order to allow the unique identification of its electricity generation, avoiding double counting of GHG emissions reductions	During the validation of each CPA, the CME (when also PP) and the activity implementer shall demonstrate by means of documentary evidences or accessible internet links from ANEEL,	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (b) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the CDM requirements and PoA Standard. In addition, it is verifiable, objective and comprehensive, as ANEEL and GHG programs documents are official and public.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			consistent documents or other GHG Programs databases that the power plant(s) unit(s) is not requesting CER issuance simultaneously with another GHG Program and that is not part of a larger CDM project activity developed under a PDD or another PoA.		
C	The specifications of technology/measure including the level and type of service, performance specifications including compliance with testing/certifications.	The CPA shall correspond to a wind electricity generation facility connected to the Brazilian National Interconnected System that: (a) install a new power plant at a site where no renewable power plant was operated prior to the implementation of the project activity	During the validation of each CPA the CME (when also PP) and the activity implementer shall demonstrate by means of documentary evidences (including accessible internet links), from (ANEEL, ONS and other consistent	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (c) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the applied methodology applicability conditions, CDM requirements and Brazilian electric sector framework. In addition, it is verifiable, objective and comprehensive, as any electricity project in Brazil has to be authorized by ANEEL and ONS, which documents are official and public.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		(greenfield plant); (b) involve a capacity addition; (c) involve a retrofit of (an) existing plant(s); or (d) involve a replacement of (an) existing plant(s). The applied technology for each type of project is specific.	documents that the power plant(s) unit(s) is under one of the measures described above and accomplishes with the specifications of technology/measure including the level and type of service, performance specifications including compliance with testing/certifications and that it is in accordance with the applicability conditions of the methodology.		
D	Conditions to check the start date of the CPA through documentary evidence.	Documents that clearly demonstrate the start date of the CPA shall be made available.	During the validation of each CPA the CME (when also PP) and the activity implementer shall demonstrate by means of	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (d) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per PoA requirements to ensure that no CPA starts before the PoA validation (EB 55, Annex 38 § 7 (d)).

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			documentary evidences (including accessible internet links), information from ANEEL, ONS and other consistent documents that the start date of the CPA occurs after the PoA publication for Global Stakeholders Consultation. Such documents can be contracts that have been signed for equipment or construction/operational services, memorandum of understanding between entrepreneurs and others.		
E	Conditions that ensure compliance with applicability and other requirements of single or multiple methodologies applied by	The CPA shall fulfill all the applicability criteria of ACM0002 ("Consolidated baseline	During the validation of each CPA the CME (when also PP) and the activity	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (e) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	CPAs.	methodology for grid-connected electricity generation from renewable sources") in respect to grid connected wind power generation.	implementer shall demonstrate by means of documentary evidences (including accessible internet links) from ANEEL, ONS and other consistent documents that the power plant(s) unit(s) is under one of the measures previewed in the PoA, that it accomplishes the specifications of technology/measure including the level and type of service, performance specifications including compliance with testing/certifications and that is in accordance with the applicability conditions of the		In addition, it is verifiable, objective and comprehensive, as the project has to fulfill all applicability conditions of ACM0002 and related tools which are available at UNFCCC website and that have to have been approved by the EB.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			methodology.		
F	Conditions that ensure that CPAs meet the requirements pertaining to the demonstration of additionality.	The additionality of the CPA shall be demonstrated as per the latest versions of the “Tool for the demonstration and assessment of additionality” and/or “Combined tool to identify the baseline scenario and demonstrate additionality”, as required.	The demonstration of additionality shall be demonstrated in each CPA. Documentary evidence shall be provided by each activity in order to have a consistent argumentation. Publicly available evidences, contracts and/or proposals signed by a CPA implementer for the proposed CPA and/or other similar projects, technical studies provided by reliable third parties or based on entrepreneurs experience and other consistent evidences not limited to the examples provided can be used to demonstrate the	☒	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (f) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements. It is a verifiable, objective and comprehensive, as the additionality of the project has to be assessed against “Tool for the demonstration and assessment of additionality” and/or “Combined tool to identify the baseline scenario and demonstrate additionality” available at UNFCCC website and that have to have been approved by the EB.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			additionality of a CPA.		
G	The PoA-specific requirements stipulated by the CME including any conditions related to undertaking local stakeholder consultations and environmental impact analysis.	The CPA shall be in accordance to the Brazilian environmental licensing requirements (EIA or similar environmental study; preliminary, installation or operation license, as available).	Information about the status of the Environmental Licensing Process shall be provided in the CPA level, EIA/RIMA or any similar study regarding the status of issuance of Previous License or Installation License or Operational License. Archives containing all information regarding the PoA level Local Stakeholders Consultation shall be provided to DOEs during all the length of the PoA.	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (g) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the Brazilian environmental legislation and the CDM standard. In addition, it is verifiable, objective and comprehensive, as any electricity project in Brazil has to present an EIA or similar environmental study; to further require the preliminary, installation or operation license (one at the respective time), which documents are official and public.
H	Conditions to provide an affirmation that funding from	The CPA shall provide a conclusive statement	The CPA shall	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	Annex I parties (if any) does not result in a diversion of official development assistance.	that, if any funding from Annex I parties have been provided, it does not result in a diversion of official development assistance.	provide information about the type funding it is intended to apply for. Information regarding funding can be demonstrated in the CPA level in the demonstration of additionality.		CPAs in order to conform to the requirements of EB 55, Annex 38 § 6, PoA Standard and CDM guidelines regarding the diversion and use of official development assistance (<i>Marrakech Accords</i>) (EB 65, Annex 3 - Paragraph 14 (h)). In addition, it is verifiable, objective and comprehensive, as the DD itself shall contain this information.
I	Target group and distribution mechanisms.	The CPA shall be connected to the Brazilian National Interconnected Grid.	The CPA implementer shall provide information about the location of the activity by public and official information from ANEEL and EPE.	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (i) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the CDM requirements and Brazilian electric sector framework. In addition, it is verifiable, objective and comprehensive, as any electricity project in Brazil has to be authorized by ANEEL and EPE, which documents are official and public.
J	Where applicable, the conditions related to sampling requirements for a PoA in accordance with the approved guidelines/standard from the Board pertaining to sampling and surveys.	<i>Not applicable to the proposed PoA.</i>			
K	Where applicable, the conditions	<i>Not applicable to the proposed PoA as the CPAs shall be large scale projects and not constrained to any limit.</i>			

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	that ensure that every CPA meets the small-scale or micro scale thresholds throughout the crediting period of the CPA.				
L	The starting date of the CPA shall not be before the Global Stakeholder Consultation of the PoA (2012-04-20) and the determination of the crediting period of a CPA shall correspond to the period of PoA.	The starting date of the CPA shall not be before PoA Validation and the crediting period shall not extend beyond the end date of the PoA.	Each CPA shall determine that the registration of the global stakeholder consultation of the PoA (2012-04-12) has occurred before its starting date and determine the type of crediting period and the length is either a maximum of seven years, which may be renewed at most two times or a maximum of ten years with no option of renewal.	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with EB 55, Annex 38 § 7 (c). The condition has to be fulfilled as per the PoA requirements to ensure that each CPA cannot exceed the lifetime of the PoA. The verifiable evidence set by the CME is deemed sufficient to fulfill the criterion and requirements of the PoA standard (EB 65, Annex 3 - Paragraph 14 (I)). In addition, it is verifiable, objective and comprehensive, as the PDDs itself shall contain this information.
M	Awareness and agreement by CPA Project Participants of participating in the PoA.	A signed contract between CPA operator and CME to ensure that CPA operator is aware and has agreed that its	The CPA operator and the CME shall have a contract agreeing that (i) the CPA has not and will	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with EB 55, Annex 38 § 6 (i) . The condition has to be fulfilled to ensure CPA operators are aware of participation and the framework agreement in


PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		activity is being subscribed to the PoA.	not be registered as a CDM project activity by means of a PDD or as a CPA under another PoA; (ii) the CPA operator is aware and have agreed that its activity is being subscribed to the proposed PoA or declaration by CPA Project Participants regarding the awareness of participating in the PoA; and (iii) the CPA implementer shall provide a contract showing the ownership of CERs or a similar agreement (as a MoU), but not limited to, on which they are aware about the CERs ownership.		compliance with CME and CDM requirements..

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
N	Verification that the CPA included in the PoA will not comprise activities that involve a fragmentation of a large-scale activity into smaller parts, in order to avoid de-bundling.	The CPA shall not comprise activities that involve a fragmentation of a large-scale activity into smaller parts, in order to avoid debundling.	During the validation of each CPA the CME (when also PP) and the activity implementer shall demonstrate by means of documentary evidences, a signed declaration by PPs or accessible internet links that ANEEL, ONS, consistent documents or other GHG Programs databases that the power plant(s) unit(s) is not requesting CER issuance simultaneously with another GHG Program and that is not part of a larger CDM project activity developed under a PDD or a another	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with CDM requirements regarding debundling of projects (EB 54, Annex 13).</p> <p>The condition has to be fulfilled as per the CDM requirements to prevent illegal debundling of large-scale projects activities. And the application of small-scale methodologies and procedures.</p> <p>In addition, it is verifiable, objective and comprehensive, as all documents from ANEEL and ONS are official and public; and all GHG websites are public.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			PoA.		
O	<p>New CPAs shall be evaluated by the CME before its inclusion under the PoA. The CME shall verify:</p> <ul style="list-style-type: none"> a. If the eligibility criteria defined under the PoA are accomplished by each CPA; b. If the type/measure to be implemented under the CPA is in line with the measures comprised in the present PoA and in line with the ACM0002; c. If the CPA implementer agrees that its activity will be included under the PoA and that will not include the plant(s) under another PoA or develop a separately/independently PDD; d. If the CPA is additional by applying the applicable methodology and related 	The CPA shall comply with all the criteria and conditions of the PoA and confirmed participation by a signed document (verifiable evidence) from the CME.	<p>The CPA shall address the applicability conditions of the PoA and the specific conditions determined by the applicable methodology and other related requirements as provided in the Generic CPA-DD.</p>	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with PoA Standard, methodology applicability and CDM requirements of EB 55, Annex 38. The condition set out have to be fulfilled by the CPA proponents and approved by the Coordinating/ Managing entity (CME) in accordance with entity requirements. In addition, all requirements and procedures shall be validated by an appointed and accredited DOE.</p> <p>In addition, it is verifiable, objective and comprehensive, as all means that will be used by the CME are official and public.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	tools; e. If the methodology is applicable.				

ANNEX 8: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

Mr. Ricardo Lopes


SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification)	2013-11-04
VCS	Lead Assessor	2013-11-04

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewable Energy

077 – Rev. 2, Date: 2011-11-01

077_S01-F003_2011-11-01_rev2 S01-F003 rev6 / 2010-04-19



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

Mr. Sergio Cruz


SCHEME	STATUS	VALID UNTIL
CDM	Assessor (Validation, Verification)	2013-11-04
VCS / ISO 14064-2	Assessor	2013-11-04

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewable Energies
13.1	Waste handling and disposal

185 – Rev. 2, Date: 2012-06-11

185_S01-F003_2012-06-11_rev2.doc S01-F003 rev2 / 2012-04-05



Statement of Competence
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

Mr. David Lubanga

SCHEME	STATUS
CDM	Trainee
VCS	Trainee

251 – Rev. 0, Date: 2011-09-26

251_S01-F003_2011-09-26_rev0.doc S01-F003 rev1 / 2011-09-02

**Statement of Competence**

Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program

Mr. Emilio Martin

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification) Technical Reviewer	2013-11-30
VCS	Lead Assessor Technical Reviewer	2013-11-30

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR SUBCATEGORIES
1.2	Renewable Energies	1.2.1 Hydro 1.2.2 Wind 1.2.3 Geothermal 1.2.4 Solar 1.2.5 Tidal
13.1	Waste handling and disposal	13.1.1 Waste management 13.1.2 Waste water management

157 – Rev. 2, Date: 2011-08-10

157_S01-F003_2011-08-10_rev2

S01-F003 rev1 / 2011-06-02

**Statement of Competence**

Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program

Mr. Dr. Jochen Schubert

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2014-05-11
VCS	Senior Assessor (Validation, Verification) Technical Reviewer	2014-05-11

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR INCLUDE SUB-AREAS
1.2	Renewable Energies	1.2.1 Hydro 1.2.2 Wind 1.2.3 Geothermal 1.2.4 Solar 1.2.5 Tidal
13.1	Waste handling and disposal	13.1.1 Waste management 13.1.2 Waste water management

056 – Rev. 2, Date: 2011-07-29

056_S01-F003_2011-07-29_rev2

S01-F003 rev0 / 2010-04-19