

VALIDATION REPORT

Title of CPA:

'SOL DEL NORTE PHOTOVOLTAIC POWER PLANT PROJECT'

Title of PoA to which CPA is to be included:

"CHILEAN SMALL SCALE RENEWABLE ENERGY PROGRAMME OF ACTIVITIES¹"


Report No. CCL0086/CSSREPOA/16112011

Revision No. 01

¹ In the webhosted PoA-DD the title of the PoA was listed "Chilean Small Scale Renewable Energy Programme of Activities (PoA)".

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CPA Title: Sol del Norte Photovoltaic Power Plant Project		Country: Republic of Chile		Estimated CERs (tCO₂e): 18,091 annual average (CPA- 01)	
Managing Entity: Carbon Capital Inc. & Cia. Ltda ² .		CPA Implementer: Fotovoltaica Sol del Norte Ltda.		GPS coordinates of the CPA: 24° 0'50.06" S - 68°35'34.56" W /12/	
Report No.: CCL0086/CSSREPOA/16112011		Revision: 01		Date of this report: 27/12/2012	
Technical Reviewer: Vikash Kumar Singh				Date of approval: 29/12/2012	
Approved by (Final Report): Priyesh Ramlall 				Date of approval: 29/12/2012	
Organisational Unit: Carbon Check (Pty) Ltd					
Report Distribution: <input type="checkbox"/> Unrestricted Distribution <input type="checkbox"/> Limited Distribution <input checked="" type="checkbox"/> No Distribution (without permission from the Client or responsible organisational unit)					
Methodology					
Number: AMS I.D.		Title: Grid connected renewable electricity generation		Scale:	
Version: 17				Small <input checked="" type="checkbox"/> <input type="checkbox"/> Large <input type="checkbox"/> <input type="checkbox"/>	
				SS(s): 1	
				TA (s): 1.2	

Validation Team		Role					
Full Name	Appointed for Sectoral scopes (Technical Areas)	Team Leader	Trainee Auditor	Local Expert	Team Member (Auditor)	Technical Expert	Technical Reviewer
Prakash Kumar Mishra	1.2	x				x	
Ravi Shankar	1.2				x	x	
Gaurav Sharma	1.2				x	x	
Dhananjay Kumar	1.2				x	x	
Stephanie Crichton	1.2			x	x	x	
Pamela González			x	x	x		
Vikash Kumar Singh	1.2					x	x

Validation Phase	Validation Status
<input checked="" type="checkbox"/> Desk Review	<input type="checkbox"/> Corrective Actions / Clarifications requested
<input checked="" type="checkbox"/> Follow up interviews	<input checked="" type="checkbox"/> Full approval and submission for registration
<input checked="" type="checkbox"/> Resolution of outstanding issues	<input type="checkbox"/> Rejected

² In the webhosted PoA-DD CME was listed as Carbon Capital Inc. y Cia. Ltda. (Less Carbon), however in the final PoA-DD CME is listed as Carbon Capital Inc. & Cia. Ltda. There is no change in CME only the correct name of the entity has been provided in the revised PoA DD /03/ and acceptable to the validation team. Moreover CME's certificate of incorporation of company/11/ vide Reference No. 252-10 has also been assessed and found to be in line with the correct name of the CME

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Executive Summary - Validation Opinion

Under the validation (by means of document review and interviews with stakeholders), the validation team considers that the CPA description in CPA titled- "Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte)" as described in the CDM-CPA-DD of Date 19/12/2012, version 1.2 is accurate and complete; meets the requirements to be included in the PoA titled "Chilean Small Scale Renewable Energy Programme of Activities", version 1.2 (date 19/12/2012) and correctly applies the baseline and monitoring methodology AMS I.D. (version 17).

Standard auditing techniques have been used for the validation of the project. An analysis, as provided by the applied methodology, demonstrates that the proposed CPA is not a likely baseline scenario. Emission reductions attributable to the CPA are additional to any that would occur in the absence of the project activity. Given that the CPA is implemented as designed, the project is likely to achieve the estimated amount of emission reductions as specified within the CPA-DD /06/.

The validation is based on the information made available to Carbon Check (Pty) Ltd, as well as the engagement conditions detailed in this report. The validation has been performed following the VVM requirements.

The validation was executed in the following steps so far:

- Receipt of PoA-DD (version 1.0, dated 30/03/2012) CPA DD (generic) and specific CPA-DD (version 1.0, dated 30/01/2012) for global stakeholder comments.
- Global stakeholder comment process (14/04/2012 - 13/05/2012)
- On-site visit with stakeholder interviews (30/05/2012)
- Issue of checklist with corrective action requests (CARs) and clarification requests (CLs) and the draft validation report and protocol
- Desk review of revised DDs applying AMS I.D (version 17).
- Review of responses for CARs/CLs
- Issue of the final validation report and protocol

During the course of validation a total of 7 Corrective Action Requests (CARs) and 12 Clarification Requests (CLs) were identified on webhosted CPA-DD /03/. Upon evaluation of responses provided by the Project Participant all the identified issues were closed successfully.

The single purpose of this report is its use during the inclusion process (of the real case CPA) at the time of requesting registration. The review of the CPA-DD /03/, subsequent follow-up interviews, and further verification of references have provided Carbon Check (Pty) Ltd, with sufficient evidence to determine the fulfilment of stated criteria in the PoA-DD /04/ and g-CPA-DD /05/. In the opinion of Carbon Check (Pty) Ltd, the CPA meets all relevant UNFCCC requirements for the CDM if the underlying assumptions do not change. Carbon Check (Pty) Limited recommends the real case CPA and the PoA for registration.

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Abbreviations

A	Assessor
BE	Baseline Emissions
BM	Build Margin
CAR	Corrective Action Request
CC	Cross Check
CCL	Carbon Check (Pty) Ltd
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CER(s)	Certified Emission Reduction(s)
CL	Clarification Request
CM	Combined Margin
CO ₂	Carbon dioxide
CO _{2e}	Carbon dioxide equivalent
CME	Coordinating/managing entity and participants of PoA
CPA	CDM Program Activity
CPA-DD	CDM Program Activity design document
DEA	Department of Environmental Affairs
DR	Document Review
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
EIA	Environmental Impact assessment
ER	Emission Reductions
FAR	Forward Action Request
GHG(s)	Greenhouse gas(es)
GWP	Global Warming Potential
I	Interview or any follow up action
IPCC	Intergovernmental Panel on Climate Change
LA	Lead Assessor
LoA	Letter of Approval
MoV	Means of Validation/Verification
MP	Monitoring Plan
MR	Monitoring Report
NGO	Non-governmental Organization
ODA	Official Development Assistance
OM	Operating Margin
PE	Project Emission
PoA	Program of Activities
PoA-DD	Program of Activities design document
PP(s)	Project Participant(s)
Ref.	Document Reference
SD	Sustainable Development
SS(s)	Sectoral Scope(s)
TA	Trainee Assessor
TL	Team Leader
TM	Team Member
TR	Technical Reviewer
UNFCCC	United Nations Framework Convention on Climate Change
VVM	Validation and Verification Manual

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1 INTRODUCTION

Carbon Capital Inc. & Cia. Ltda. (hereafter referred as “CME”) has commissioned the DOE Carbon Check (Pty) Ltd, to assess the information in the SSC-CDM-CPA-DD for the CPA title “Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte)” (hereafter called “the CPA”) against the “Chilean Small Scale Renewable Energy Programme of Activities ” and further documentation requirements for including CPAs to a PoA.

This report summarizes the findings of the validation of the CDM Programme Activity Design Document (SSC-CPA-DD), performed on the basis of UNFCCC criteria for the PoAs under the CDM, as well as criteria given to provide for consistent programme operations, monitoring and reporting. The term “UNFCCC criteria” refers to Article 12 of the Kyoto Protocol, the CDM modalities and procedures, the modalities and procedures for CDM project activities, and the subsequent decisions by the COP/MOP and CDM Executive Board. In addition to these criteria, host country criteria are also taken into account.

Objective

The assessment of a CPA requesting to be included in a PoA shall ensure that all the requirements determined in the PoA are met. The assessment was performed on the basis of the eligibility and additionality criteria established in the PoA and the UNFCCC criteria for including CPAs to programme of activities under the Clean Development Mechanism (CDM) as well as criteria given to provide for consistent project operations, monitoring and reporting according to AMS I.D (version 17).

Scope

The scope of the validation is to have an independent and objective review on the CDM CPA design document (hereinafter referred to as 'CPA-DD') and other relevant documents. The DOE shall scrutinize the information in the CPA-DD to assess compliance with the eligibility criteria and criteria for demonstrating additionality established by the PoA, to check correctly application of AMS I.D. (version 17) and to check compliance with documentation requirements, decisions made by COP/MOP, CDM EB and relevant rules including the host country legislation and sustainability criteria for CPAs.

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

2 METHODOLOGY

The validation consists of the following three phases:

- I. A desk review of the specific CPA-DD with relevant information to be included in PoA.
- II. On-site visit and follow-up interviews with programme stakeholders; and
- III. The resolution of outstanding issues and the issuance of the final validation report and opinion.

The following sections outline each step in more detail.

Document Review

The following table lists the documentation that was reviewed during the validation.

Reference	Document	Date of Document (DD/MM/YYYY) In case irrelevant put “_ _”
/01/	Webhosted CDM SSC-PoA-DD “Chilean Small Scale Renewable Energy Programme of Activities (PoA)”, Version 1	30/03/2012
/02/	Webhosted Generic CDM-SSC-CPA-DD “Chilean Small Scale Renewable Energy Programme of Activities (PoA) - [CPA NAME] [CPA Technology CHOOSE: Solar (PV, CSP), wind farm, wave/tidal or small hydro power plant] [Number] [dd/mm/yyyy] [Version [XX]].	---

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/03/	Webhosted Specific CDM-SSC-CPA-DD ""Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte", version 1	30/03/2012
/04/	Final version CDM SSC-PoA-DD "Chilean Small Scale Renewable Energy Programme of Activities ", Version 1.2	19/12/2012
/05/	Final version of Generic CDM-SSC-CPA-DD "Chilean Small Scale Renewable Energy Programme of Activities - [CPA NAME] [CPA Technology CHOOSE: Solar (PV, CSP), wind farm, wave/tidal or small hydro power plant] [Number] [dd/mm/yyyy] [Version [XX]].	---
/06/	Final version CDM-SSC-CPA-DD ""Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte", version 1.2	19/12/2012
/07/	CER calculation spread sheet corresponding to /03/	--
/08/	CER calculation spread sheet corresponding to /06/	--
/09/	Letter of approval issued from Chilean DNA, Ref 121915	14/06/2012
/10/	Modalities of communication	19/12/2012
/11/	Management System developed by CME: <ol style="list-style-type: none"> 1. Procedure for inclusion of a CPA in the PoA. 2. Procedure for monitoring the PoA 3. Procedure for double counting avoidance check CPA level 4. Procedure for updating the Procedure Manual 5. Procedure for debundling check for project activity 	
/12/	Inclusion Agreement between Carbon Capital Inc. and Cia Limitada and Fotovoltaica Sol del Norte Ltda.	16/10/2012
/13/	CME record system excel sheet, v.1.0.	15/05/2012
/14/	Carbon Capital Inc. and Cia. Limited Company Incorporation	21/01/2010
/15/	Fotovoltaica Sol del Norte Ltda. Company Incorporation	19/04/2012
/16/	Enerficaz; Environmental Impact Statement for Sol del Norte Photovoltaic Power Plant Project.	20/06/2011
/17/	Evaluation Commission of the Antofagasta Region, represented by Mr. Alvaro Fernández Slater: Environmental Approval for Sol del Norte Photovoltaic Power Plant Project.	3/11/2011
/18/	GEF calculation for the SING Grid	---
/19/	Validation contract in between Carbon Check (Pty) Ltd. and the CPA Implementer Fotovoltaica Sol del Norte Ltda.	23/02/2012
/20/	Certificate of the CPA Implementer to the CME, in order to establish that Ms. Elizabeth Nranjo Leiva is the legal representative and is the authorized person for celebrating the Inclusion Agreement.	12/10/2012
/21/	Fotovoltaica Sol del Norte Ltda.: Implementation Schedule	---
/22/	Energy generation simulation for panels model Yingli YL240P-29b, reference number PVSYST V5.53.	28/03/2012
/23/	Trivinco; third party confirmation of the PLF for panels Yingli YL240P-29b	28/03/2012
/24/	Yingli datasheet with technical specifications for panel model YL240P-29b	---
/25/	Yingli Solar PV module warranty for support the 25 years lifetime for the project activity	01/10/2011
/26/	Regional Ministerial Secretariat of national assets, represented by Ms. Marcela Lorca Peña: Land lease concession for 25 years.	19/01/2011
/27/	Regional Ministerial Secretariat of national assets, represented by Ms. Marcela Lorca Peña: Details of fee for the land lease concession.	22/08/2011
/28/	Prior consideration form of Sol del Norte Photovoltaic Power Plant Project.	15/09/2011
/29/	Email confirmation from the Chilean DNA, represented by Ms Andrea Rudnick, in order to confirm the reception of prior consideration form of the project activity.	15/09/2011

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/30/	Email confirmation from the UNFCCC, represented by Mr Cezar Layug, in order to confirm the uploaded prior consideration form of the project activity.	11/10/2011
/31/	CME Statement confirming that the proposed Small-Scale PoA is not a de-bundled component of a large scale activity.	30/10/2012
/32/	Letter of Fotovoltaica Sol del Norte Ltda. to the CDEC-SING, in order to inform of the project activity will be connected to the system as the requirement of the article13 of the SD 291/2077	13/02/2012
/33/	Letter of the CDEC-SING to Fotovoltaica Sol del Norte Ltda. confirming the reception of the letter that the project activity will be connected to the system. Reference number CDEC-SING N° 0165/2012	14/02/2012
/34/	Mr. Gregory James Dunne; Sworn statement on behalf of Carbon Capital Inc. and Cia Limitada stating the rol and responsibilities of the Coordinating/Managing Entity (CME).	19/04/2012
/35/	E-mail confirmation from the DNA stating that there is no definition of specific criteria for sustainability.	30/11/2011
/36/	Secretariat Ministry of the Presidency: "Environmental General Basis Law 19,300"	01/03/1994
/37/	Statement of the CPA Implementer declaring the start date, starting date and commissioning date of the project activity.	18/12/2012
/38/	Public announcement in La Estrella newspaper inviting the stakeholder to the meeting held on 06/03/2012.	03/03/2012
/39/	Public announcement in El Mercurio newspaper inviting the stakeholder to the meeting held on 06/03/2012.	03/03/2012
/40/	Copy of the invitations sent to the stakeholder for invite them to participate in the meeting held on 06/03/2012.	28/02/2012
/41/	Attendance list of the local stakeholder meeting.	06/03/2012
/42/	Evidence of questions and comments of the meeting.	06/03/2012
/43/	Report of the Public Consultation Process.	06/03/2012
/44/	Email confirmations of the delivery of the report to the stakeholders that assist to the meeting.	04/04/2012
/45/	Non ODA statement of the CME	23/10/2012
/46/	Statement of Fotovoltaica Sol del Norte Ltda.indicating: <ul style="list-style-type: none"> • Expected project start date of the CPA • The installation of a new power plant (greenfield plant) • Confirmation that CPA complies with the assessment of de-bundling 	30/10/2012

Referred documents/websites:

/B01/	CDM VALIDATION AND VERIFICATION MANUAL, VERSION 01.2, EB 55 (ANNEX 1)
/B02/	AMS I D Grid connected renewable electricity generation (Version 17).
/B03/	Tool to calculate the emission factor for an electricity system, version 02.2.1, EB 63 (Annex 19)
/B04/	PoA Specific guidelines / standards published by UNFCCC: <ol style="list-style-type: none"> 1. Small-scale CDM Programme Activity Design Document Form (CDM-SSC-CPA-DD), Version 01 2. Procedures for registration of a programme of activities as a single CDM project activity and issuance of certified emission Reductions for a programme of activities, Version 04.1, EB 55 (Annex 38) 3. Procedures for review of erroneous inclusion of a CPA, version 03, EB 61 (Annex 22) 4. Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities, version 01, EB 65

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	<p>(Annex 03)</p> <ol style="list-style-type: none"> 5. Clarifications regarding the “Procedures for registration of a programme of activities as a single CDM project activity and issuance of certified emission reductions for a programme of activities”, version 01, EB 60 (Annex 26) 6. Procedures for processing and reporting on validation of CDM project activities, version 03, EB 50 (Annex 48) 7. EB 47 report. 8. Guidelines on the demonstration and assessment of prior consideration of the CDM, Version 04, EB 62 (Annex 13) 9. Guidelines for the reporting and validation of plant load factors, Version 01, EB 48 (Annex 11) 10. Guidelines on assessment of de-bundling for SSC project activities. Version 3, EB54 (Annex 13) 11. Guidelines for Demonstrating Additionality of Microscale Project Activities. Version 3, EB 63 (Annex 23) 12. Guidelines on the demonstration of additionality of small-scale project activities, version 09.0, EB 68 (Annex 27)
/B05/	Glossary of CDM terms, version 06, EB 66 (Annex 6)
/B06/	<p>Websites:</p> <ol style="list-style-type: none"> 1. www.unfccc.int 2. http://www.ipcc-nggip.iges.or.jp/public/2006gl/index.html 3. www.seia.sea.gob.cl
/B07/	<p>Website used for the validation of Grid Emission Factor:</p> <ol style="list-style-type: none"> 1. www.cne.cl 2. www.cdec-sing.cl 3. http://www.cdec-sing.cl/html_docs/anuario2011/ 4. http://cdec2.cdec-sing.cl/pls/portal/cdec.pck_oper_real_pub.rpt_gen_centrales_sing_x_anos
/B08/	Executive board of the clean development mechanism sixty-eighth meeting report, version 01.1, reference CDM-EB-68

The changes between the SSC-CPA-DD version 1 (real case), published for the 30 days stakeholder commenting period /03/ and the final version submitted for registration /06/ are addressed in the table 2 of the validation protocol as a part of this report.

The main changes between the SSC-CPA-DD, version 1 /03/ published for the 30 days stakeholder commenting period and the final version /06/ submitted for registration are presented in the below table as follows:

TOPIC	CPA-DD - GSC/01/	FINAL CPA-DD/02/	ASSESSMENT
PoA title	Chilean Small Scale Renewable Energy Programme of Activities (PoA)	Chilean Small Scale Renewable Energy Programme of Activities	The LoA /05/ issued from the DNA of host country mentions the project title as “Chilean Small Scale Renewable Energy Programme of Activities”, hence to maintain consistency PP decided to use the same title for the PoA and revised the PoA DD /03/ accordingly. Validation team assessed the implication of this and found that this is

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			exactly the same PoA under validation for which the DNA of Chile issued the LoA vide reference 121915 dated 14/06/2012 and found acceptable. Furthermore the CDM pipeline from unfccc website was additionally verified in order to ensure that there is no similar programme with the same name as proposed PoA from the host country of Chile.
CPA title	Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte	Sol del Norte Photovoltaic Power Plant Project (Proyecto Huerta Solar Fotovoltaica Sol del Norte	No Change
CPA Implementer	Fotovoltaica Sol del Norte Ltda.	Fotovoltaica Sol del Norte Ltda.	No Change
Scope	1: Energy Industries (renewable / non-renewable sources)	1: Energy Industries (renewable / non-renewable sources)	No change
Methodology / Activity	AMS I D (version 17)	AMS I D (version 17)	No change
Amount of emission reductions (tCO ₂) PA	16,153	18,091	Emission reduction calculations were revised. As the emission factor calculation is revised based on three-year recent country available data and due to this value of emission factor has been increase. The validation team using local and sectoral expertise assessed the same and increase in ER value from webhosted to the final version is found appropriate.
Project Capacity	8 MW	8 MW	No Change
Real case CPA starting Date	31/05/2012	30/05/2013	The PP changed the starting date of the small-scale CPA to a more realistic expected date.
Choice of crediting Period	Renewable	Renewable	No Change
CPA Location	Approximately 17.5 km south-east of the Atacama Salt Lake	Approximately 17.5 km	No Change

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	(Salar de Atacama) in Antofagasta Province, Region of Antofagasta, Chile	south-east of the Atacama Salt Lake (Salar de Atacama) in Antofagasta Province, Region of Antofagasta, Chile	
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2.2 Follow-up actions

On 30/05/2012, Carbon Check undertook a physical site visit. CME, CPA implementer team and CDM Consultant of the Programme of Activities to resolve questions and issues identified during the document review and to perform interviews with relevant stakeholders in the Host Country.

The key personnel interviewed and the main topics of the interviews are summarized in the table below.

SL No.	Date	Name and Role	Organization	Topic
a	30/05/2012	José M. Casao	Fotovoltaica Sol del Norte Project Manager	CPA 1 implementer
b	30/05/2012	Elizabeth Naranjo L.	Fotovoltaica Sol del Norte General Manager	CPA 1 representative
c	30/05/2012	Marcos Miranda	Less Carbon Senior Analyst	Baseline Additionality and Monitoring
d	30/05/2012	Héctor Belmar	Less Carbon Origination Executive	CME coordinating CDM functions and responsibilities
e	30/05/2012	Andrés Morales	Less Carbon Origination Executive	CME coordinating CDM functions and responsibilities

Validation Team considered the views obtained in these interviews while arriving at Validation Opinion.

2.3 Resolution of outstanding issues

The objective of this phase of the validation is to resolve any outstanding issues, which need be clarified prior to Carbon Check's conclusion on the CPA design. In order to ensure transparency a validation protocol is customised for the programme. The protocol shows in transparent manner criteria (requirements), means of verification and the results from validating the identified criteria. The validation protocol serves the following purposes:

- It organises, details and clarifies the requirements a CPA is expected to meet;
- It ensures a transparent validation process where the validator will document how a particular requirement has been validated and the result of the validation.

The completed validation protocol for the CPA "Sol del Norte Photovoltaic Power Plant Project" is enclosed in Appendix A to this report.

Findings established during the validation could either be seen as a non-fulfilment of CDM criteria or where a risk to the fulfilment of programme objectives is identified. Corrective action requests (CAR) are issued, where:

- (i) The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions;
- (ii) The CDM requirements have not been met;
- (iii) There is a risk that emission reductions cannot be monitored or calculated.

A request for clarification (CL) may be raised if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.

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A forward action request (FAR) may be raised during validation to highlight issues related to project implementation that require review during the first verification of the project activity.

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 pre-validating the identified criteria. The validation protocol reflects the generic CDM requirements as well as PoA and CPA specific issues which have to be met by the PoA and those to be included CPAs. The validation protocol serves the following purposes:

- It organises, details and clarifies the requirements that a PoA and those to be included CPAs are 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 as described in Figure 1.

Validation Protocol Table 1: Requirement checklist				
Checklist Item	Reference	Comments by Validation Team	Draft Conclusion	Final Conclusion
<i>The checklist items in Table 1 are linked to the various requirements of the PoA-DD which should meet, and Table 2 are linked to requirements the generic CPA-DD should meet. The checklists are organised in various sections. Each section is then further subdivided 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 VVM 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>

Table 2 Corrective Action/Clarification/Forwarded Action Requested

Finding	No. of finding		
Classification	<input type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding	Validation team shall provide a complete and transparent description of finding.		
Corrective Action #1	PP shall write a detailed and clear corrective action as per finding.		
DOE Assessment #1	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.		
Conclusion	Tick the appropriate checkbox <input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input type="checkbox"/> The finding is closed		

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2.4 Internal quality control

Before the assessment begins, members of the team covering the technical area(s), sectoral scope(s) and relevant host country experience for evaluating the CDM PoA/CPA are appointed. The validation report including the validation findings underwent a technical review. A technical reviewer qualified in accordance with Carbon Check's qualification scheme for CDM validation and verification performed the technical review.

2.5 Validation team and the technical reviewer(s)

The validation team and the technical reviewers consist of the following personnel:

VALIDATION TEAM		TYPE OF INVOLVEMENT						
Full Name	Role/Qualification	Supervision of work	Desk review	Site visit & Interview	Report & protocol writing	Technical Area	Reporting support	Technical Reviewer
Mr Prakash Kumar Mishra	TL / LA	X		X		1.2		
Mr. Gaurav Sharma	TM / A		X		X	1.2	X	
Mr. Dhananjay Kumar	TM / A		X		X	1.2	X	
Mr Ravi Shankar	TM/LA			X		1.2		
Ms. Stephanie Crichton	TM / TA		X	X	X	1.2	X	
Ms. Pamela González	TA		X	X	X		X	
Mr. Vikash Kumar Singh	TR/TRE					1.2		X

3 VALIDATION SUMMARY

Under the validation by means of document review and interviews with stakeholders, the validation team considers that the CPA description in CPA titled "Sol del Norte Photovoltaic Power Plant Project", as described in the CDM-SSC-CPA-DD of Date 19/12/2012/06/, version 1.2 is accurate and complete; meets the requirements to be included in the PoA titled "Chilean Small Scale Renewable Energy Programme of Activities" and correctly applies the baseline and monitoring methodology AMS I D (version 17). Several clarifications and corrective actions have been raised in during the course of validation and successfully closed (please refer to table-2 of appendix A for details of closure).

3.1 CPA Design Document

The CPA-DD is in compliance with relevant form and guidance as provided by the SSC-CPA-DD template /B04-1/ for the POA and UNFCCC requirements under the PoA.

CCL considers that the guidelines for the completion of the CPA documents in their most recent version have been followed. The Managing Entity and the CPA Implementer/s provided relevant information in the applicable SSC-CPA-DD sections.

However, several CARs/CLs have been raised and closed successfully during the course of validation. Please refer Table 2 of this report below.

3.2 CPA Description

The following description of the proposed CDM programme activity as per SSC-CPA-DD /06/ was verified:

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The proposed CPA is developed under the small-scale PoA, `Chilean Small Scale Renewable Energy Programme of Activities ` and introduces solar photovoltaic (PV) electricity generation system in Republic of Chile. Fotovoltaica Sol del Norte Ltd is responsible for the implementation of the CPA and CME of the PoA is Carbon Capital Inc. & Cia. Ltda. The CPA will reduce GHG emission by replacing fossil fuel fired electricity generation in the national grid of Chile.

Sol del Norte Photovoltaic Power Plant Project envisages the installation of a new grid connected photovoltaic power plant at a site where no photovoltaic panels were operated prior to the implementation of the activity.

The installed capacity of the photovoltaic power plant is 8 MW/17//22/. The photovoltaic power plant will consist of the construction and operation of a greenfield photovoltaic power plant (PVP) of 34,816 solar panels (240Wp each) grouped in 64 sun-following devices/22/. The energy produced will be delivered to the Grand North Interconnected System (SING).

Webhosted SSC-CPA DD /03/ and the final SSC-CPA-DD /06/ clearly indicated the project capacity of 8 MW.

Interview with the CME and CPA implementer and documents reveals that the EPC contract is expected to be signed on the 30/05/2013, and the commissioned plant is expected to be operational on the 31/12/2013. These dates have been verified from the declaration /37/ provided from the CPA implementer. This project will be built in one phase. This has been verified from the Environmental Impact Statement /16/ and from the declaration /37/

Fotovoltaica Sol del Norte Ltd (Private entity) is an entity responsible for CPA implementation and i.t is not a project participant for the proposed SSC-PoA.

Technical description of the CPA:

The proposed CPA will be implemented in in a rural area of the Atacama Desert (31.39 hectares) in Antofagasta Province, Region of Antofagasta, Chile and have the total installed capacity of 8 MW. The EPC contract is expected to be signed on 30/05/2013 /37/, and the commissioned plant is expected to be operational in 31/12/2013. However CPA implementer has provided the simulation based on a Yingli YL24OP-29b panel /22/ and confirmed from the third party certificate /23/.

The Yingli YL24OP-29b panel specification is given in the following table:

Parameter	Unit	Value
Power	W	240
Voltage at Pmax	V	29.5
Current at Pmax	A	8.14
Electrical short circuit current	A	8.65
Open circuit voltage	V	37.5

The above specification mentioned has been supported by the Datasheet /24/ of technical specification for Yingli YL24OP-29b panel.

The proposed site of the CPA is:

CPA characteristic					Characteristic of each individual activity under the CPA					
No	Name	Type	Amount of activities	Total CPA capacity, MW	Number of activity	Type of Photovoltaic module	Amount of panels	Capacity, MW	GPS coordinates/12/	Commercial Operation Date

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1	001	1	1	8	1	YL24OP-29b	34,816	8	24° 0'50.06" S 68°35'34.56" W	31/12/2013
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The lifetime of the YL24OP-29b panel is 25 years and the same has been verified from the technical literature titled "Yingli Datasheet with technical specifications of the panels" /24/ prepared by Yingli Solar which is a third party..

The starting date of CPA is 30/05/2013, i.e. the expected date of signing the EPC Agreement. This has been verified from the declaration /37/ provided by the CPA implementer. Whereas the starting date of crediting period is mentioned to be 31/12/2013 or the date of inclusion of the CPA in the PoA; whichever is later. This is acceptable to the DOE. Moreover the PP has selected renewable crediting period for the proposed CPA, which is in compliance to the final SSC-CPA-DD template/05/ which have selected renewable crediting period. However in the webhosted SSC-CPA-DD /03/, PP selected the fixed crediting period and later on during the submission of final SSC-CPA-DD /06/, PP chose the option of renewable crediting periods and length of the 1st crediting period as 7 years.

The CPA is expected to result in an average annual emission reduction of 18,091 tCO₂e /06/, /08/ for renewable crediting period of 7 years.

The CPA receives no public funding and is not registered as an individual CDM project activity or as part of another registered PoA; this has been verified from an official declaration /45/ provided by the CPA implementer. The validation team has assessed from UNFCCC website /B06-1/ and interviews that there is no other similar PoA or CDM project occurring in the CPA area and the CPA is neither registered as an individual CDM project activity or is part of another Registered PoA.

The information presented in the CPA documents is consistent with the actual planning and implementation of the activity confirmed in the following ways:

- A review and cross check of data and information.
- During site visit, via interviews of relevant stakeholder and personnel with project specific knowledge. In case of doubt, further cross checks through additional interviews were conducted.
- A review of information related to similar projects or technologies, which have been used if available to validate the accuracy and completeness of the project description.

In conclusion, CCL confirms that the CPA project description is sufficiently accurate and complete in order to comply with the requirements of the PoA.

However, CARs (1, 2, 3 4, 5) and CLs(1, 2, 3, 4, 6) was raised and closed out successfully.

3.3 CPA Boundary

The CPA boundary has assessed based on documented evidence, on site visit interviews. The validation team confirms that the identified boundary, the selected sources and gases as documented in the SSC-CPA-DD are justified and in the host country of Republic of Chile which is the programme boundary /04//09/; hence all sources and GHGs required by the applied methodology /B02/ have been included within the project boundary. Validation team confirms that the identified boundary, the selected gases and sources are documented in the SSC-CPA-DD /06/ and fully in line with the requirements set by the PoA-DD/04/.

3.3 Eligibility Criteria for CPA Inclusion

Review of SSC-PoA-DD /04/, CPA-DD template /05/ and interviews and site visit with representatives of CME reveals that the CME of the PoA employs clear and unambiguous criteria for the inclusion of the CPAs. The eligibility criteria have been stated clearly and validation team confirms the eligibility criteria are in line with eligibility criteria set in the SSC-PoA-DD/04/ is found to be in accordance with the requirement of § 14, annex 3 of EB 65 /B04-4/. Additionality and applicability of the applied methodology are the eligibility criteria as per the SSC-PoA-DD/04/, which is deemed appropriate and acceptable to the validation team. The eligibility criteria can be checked at the CPA level by the CME and shall be confirmed by the DOE before inclusion of the CPAs in the PoA. The subject CPA meets all eligibility criteria of the PoA as assessed below:

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SL. NO.	ELIGIBILITY CRITERIA AS STATED IN SECTION B.2 OF THE SSC-CPA-DD /06/ AND SECTION A.4.2.2 OF THE POA-DD /04/	STATUS MARKED IN SSC-CPA-DD /06/	ASSESSMENT BY THE VALIDATION TEAM
1	The geographical boundary of the CPA including any time-induced boundary consistent with the geographical boundary set in the PoA;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The project activity is within the geographic territory of Chile</p> <p>UTM coordinates 541,399 E – 7,344,174 N Datum WGS 84, H19.</p> <p>This has been supported by providing the following documents for validation:</p> <p>i) Notarised incorporation of the society Fotovoltaica Sol del Norte Ltda. /15/</p> <p>ii) Environmental Impact Declaration (DIA) /16/</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
2	Conditions that avoid double counting of emission reductions like unique identifications of product and end-user locations (e.g. programme logo);	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>This has been supported by providing the Inclusion Agreement/12/ between Carbon Capital Inc. & Cia. Ltda. (the CME) and Fotovoltaica Sol del Norte Ltda (the CPA Implementer) /12/ and Double counting avoidance spreadsheet /13/, where the CME has checked the database and the list of the UNFCCC website.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team was able to confirm from Section 2. Representations, Warranties and Undertakings Clause 2.3 point d) of the Inclusion Statement /12/ that the CPA implementer warrants to the CME that the CPA will be in accordance with the eligibility criteria and rules of double counting for CDM PoAs and therefore the validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
3	The specifications of technology/measure including the level and type of service, performance specifications including compliance with	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>Fotovoltaica Sol del Norte CPA is a solar photovoltaic power plant, which will deliver electricity to the grid Grand North Interconnected System (SING) that meet the host country standard/</p>

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	testing/certifications;		<p>requirements in terms of testing/certifications.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Environmental Impact Declaration (DIA) /16/ and the Environmental Approval (RCA) /17/</p> <p>Also this can be confirmed from the Technical Design Specification /24/ provided by the PP.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
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4	Conditions to check the start date of the CPA through documentary evidence;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The expected start date of the PoA is 01/03/2013 or the registration date, whichever is later. The expected starting date of the proposed CPA is 30/05/2013 the expected date of signing of EPC contract.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Since there has no yet been any purchase order provided by the PP and also the EPC contracte is expected to sign on 30/05/2013, hence, statement in the form of declaration dated 30/10/2012/37/ provided by the CPA Implementer showing the Project start date.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
5	Conditions that ensure compliance with applicability and other requirements of single or multiple methodologies applied by CPAs	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The CPA meets the applicability conditions for methodology AMS-I.D. version 17.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Environmental Impact Declaration (DIA) /16/, the Environmental Approval (RCA) /17/ and Statement from the CPA Implementer indicating that there is a greenfield power plant where no renewable power plant was operated prior to the implementation of the project activity /37/. CME has also submitted an inclusion agreement/12/ where it is mentioned that CPA fulfills the applicability criteria of meth. The same was also assessed from the energy generation simulation report/22/, environmental approval/17/ and found the applicability appropriate as per the applied methodology.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
6	The conditions that ensure that CPAs meet the requirements	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The CPA) is in compliance with the additionality assessment of the</p>

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	<p>pertaining to the demonstration of additionality as specified in Section A of EB 65 Annex 3.</p>		<p>Approach 2 Small- scale projects as follows:</p> <ul style="list-style-type: none"> • The total installed capacity of the Project Activity is 8 MW and hence less than 15 MW_e. It is in accordance with § 2 a of EB 68 Annex 27/B04-12/. • The CPA is a greenfield solar photovoltaic (PV) power plant • The CPA meets the conditions established in Approach 2 and therefore it is considered automatically additional. No further analysis is required. • Approaches 1 and 3 do not applied to the proposed CPA. <p>This has been supported by providing the following documents for validation:</p> <p>Environmental Impact Declaration (DIA) /16/ and Environmental Approval (RCA) /17/.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
7	<p>The PoA-specific requirements stipulated by the CME including any conditions related to undertaking local stakeholder consultations and environmental impact analysis;</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO</p>	<ul style="list-style-type: none"> • The Sol del Norte Photovoltaic Power Plant Project has conducted a stakeholder consultation as per the requirements of CDM on March 6th 2012. <p>This has been supported by providing the following documents for validation:</p> <ul style="list-style-type: none"> - Stakeholder meeting invitation by news papers advertisement, personal invitation to local authorities and relevant stakeholders /38/ /39/ /40/ /44/ - Stakeholder meeting presentation about the CDM Sol del Norte Photovoltaic Power Plant Project (the CPA), Kyoto protocol and global warming. - Stakeholder meeting report including comments received, due accountancy of the comments and answers provided, etc. /43/

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			<ul style="list-style-type: none">- Attendee list to the stakeholder meeting in Antofagasta /41/ - Summary of the answers provided to the relevant attendees (see pages 1 to 5 of the meeting report) /42/ - Evidence that the answers have been provided to the relevant stakeholders /44/ <ul style="list-style-type: none">• The Sol del Norte Photovoltaic Power Plant Project (the CPA) is in compliance with all relevant host country laws and regulations available at the time of the CPA inclusion into the PoA, especially in relation to environmental impact analysis <p>This has been supported by providing the following documents for validation: Environmental Approval (RCA) /17/</p> <ul style="list-style-type: none">• The Sol del Norte Photovoltaic Power Plant Project (the CPA) has no transboundary impacts. The CPA is in compliance with all relevant host country laws and regulations and is connected to a grid, which is not interconnected and has boundaries within the area under the jurisdiction of the host party. <p>This has been supported by providing the following documents for validation: Environmental Approval (RCA) /17/</p> <ul style="list-style-type: none">• The Sol del Norte Photovoltaic Power Plant Project (the CPA) has obtained the environmental approval <p>This has been supported by providing the following documents for validation: Environmental Approval (RCA) /17/</p> <p>Conclusion: Based on the above assessment,</p>
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			validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.
8	Conditions to provide an affirmation that funding from Annex I parties, if any, does not result in a diversion of official development assistance;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The inclusion agreement does contain binding clauses in which the CPA Implementer confirms in writing that no public funding is used for the project development.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Inclusion Agreement between Carbon Capital Inc. & Cia. Ltda. (the CME) and Fotovoltaica Sol del Norte Ltda (the CPA Implementer) /12/.</p> <p>It was also confirmed from the Non ODA CME Statement /45/.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team was able to confirm from Section 2. Representations, Warranties and Undertakings Clause 2.3 d) point vi of the Inclusion Statement /12/ that the CPA is a voluntary activity and no public funding from Annex I parties has been used in its development and therefore the validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
9	Where applicable, target group (e.g. domestic/ commercial/ industrial, rural/urban, grid connected/off-grid) and distribution mechanisms (e.g. direct installation)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The CPA will provide electricity to the national grid SING.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Environmental Approval (RCA) /17/ and also by review of CPA-DD and interview with the CME and CPA implementer.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes (from page 2 of the Environmental Approval) that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
10	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;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>Not applicable as all the CPAs included in the PoA will be monitored individually.</p>

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<p>11</p>	<p>Where applicable, the conditions that ensure that every CPA in aggregate meets the small-scale or micro-scale threshold criteria and remains within those thresholds throughout the crediting period of the CPA;</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO</p>	<p>The CPA is a small-scale CPA having a total installed capacity of 8 MW.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Environmental Approval (RCA) /17/.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes (from page 2 and 3 of the Environmental Approval) that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
<p>12</p>	<p>Where applicable, the requirements for the debundling check, in case CPAs belong to small-scale (SSC) or microscale project categories</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO</p>	<p>Validation team assessed the UNFCCC website and also through onsite visit interview that the CPA implanter has not registered any project within two years and 1 Km boundary there is no project with same project title.</p> <p>Moreover, a declaration from the Project Implementer /46/ and the CME /31/ has been provided that the CPA is not a de-bundled component of other registered project activity.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>
<p>13</p>	<p>The CPA is a voluntary initiative and is not implemented due to mandatory policies or regulations.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO</p>	<p>The inclusion agreement does contain binding clauses in which the CPA Implementer confirms in writing that the CPA is a voluntary initiative, not mandated by policies or regulations of the host party.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Inclusion Agreement between Carbon Capital Inc. & Cia. Ltda. (the CME) and Fotovoltaica Sol del Norte Ltda (the CPA Implementer) /12/.</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team confirmed from Section 2. Representations, Warranties and Undertakings Clause 2.3 d) point vi and 2.2 a) that the CPA is a voluntary initiative and is not</p>

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			implemented due to mandatory policies or regulations and therefore the validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.
14	Signature of a contract of services between the CPA implementer and the CME	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO	<p>The Inclusion Agreement does contain binding clauses in which the both parties have undertakings and commitments.</p> <p>This has been supported by providing the following documents for validation:</p> <p>Inclusion Agreement between Carbon Capital Inc. & Cia. Ltda. (the CME) and Fotovoltaica Sol del Norte Ltda (the CPA Implementer) /12/</p> <p>Conclusion:</p> <p>Based on the above assessment, validation team concludes that this eligibility criteria of the PoA is complied by the candidate CPA.</p>

According to the requirements of § 17 and § 18 of annex 3 of EB 65 /B04-4/, the validation team by means of interview and through document review /06/ confirms that the CME is competent to check the features of the CPA. The CME system manual /11/ clearly mentions the roles, responsibilities and authorities within the managing entity. The validation team has also confirmed through document review and interviews the procedures to avoid double counting /11-3/, training and capacity development for personnel, records and documentation control process, Measures for continual improvements of the PoA management /11-4/.

In conclusion, CCL confirms that the CPA complies with the eligibility criteria requirements of the PoA.

However, CAR 5 and CAR 7 were raised and successfully closed.

3.4 Additionality

The project involves the installation of solar panels with a total install capacity of 8 MW in the Atacama Desert, Antofagasta Province, at Antofagasta Region, Republic of Chile. The project is a small scale project and accordingly project developer has applied approved methodology AMS I.D version 17/B02/ and demonstrated the additionality of the project activity in conformity with PoA, using the “Guidelines on the demonstration of additionality of small-scale project activities” version 09.0 /B04-12/ and para 108 of the CDM-EB-68 /B08/

3.4.1 Prior Consideration of CDM

The project implementation has not yet commenced and the expected start date of the project is 30/05/2013 which is signing of EPC contract /37/. Since the project developer had not undertaken any construction or any real action for the implementation of the project activity till date, as per Glossary of CDM Terms (version 6), the project activity has not yet ‘started’

The real case CPA-DD was webhosted for Global Stakeholders’ Comments (GSC) on 14/04/2012, which is prior to the start date of the project activity (the project activity has not yet started) and after 02/08/2008. Therefore, this is a *new project activity*. As per paragraph 2 of Annex 13, EB 62 /B04-8/, prior intimation to UNFCCC and DNA is not necessary in cases where the start date of the project

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activity is after the web-hosting for GSC. Validation team, therefore, concludes that the CPA conforms to Annex 13, EB 62 /B04-8/ and Annex 26, EB 60/B04-5/.

Even though the PP doesn't need to demonstrate prior intimation to the UNFCCC and Chilean DNA as per the Annex 13, EB 62 /B04-8/ and Annex 26, EB 60/B04-5/, they carried out the process of notification of the consideration of the CDM benefits for going through project activity /28/ /29/ /30/.

Alternatives

This is a solar power project and is based on the Methodology AMS-I.D Ver. /B02/ The methodology states;

The baseline scenario is that the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid.

Paragraph 105 of VVM /B01/ states that PDD is required to identify credible alternatives to the project activity in order to determine the most realistic baseline scenario, unless the approved methodology that is selected by the proposed CDM project activity prescribes the baseline scenario and no further analysis is required. Since the approved methodology AMS-I.D /B02/ used by the project activity prescribes the baseline scenario, no further analysis of alternatives is required for the project activity.

Validation Team, therefore, concludes that the CPA-DD and the validation report conforms to the guidance given by EB vide paragraph 105 of VVM (Ver.01.2).

Approach for demonstrating CPA additionality

The approach of additionality of the project is small scale projects (up to ≤ 15 MW) additionality which applied the § 2 a, Annex 27, EB 68 /B04-12/ and § 108 Annex 26, EB 60 /B04-5/.

As the project activity is a renewable energy technology with a install capacity of 8 MW /16/ /17/ smaller than 15 MW and the project activity employs specific renewable energy technologies listed under § 2 a, Annex 27, EB 68 /B04-12/ as one of the types technology that are defined as positive list of additionality under letter (a) point (i) Solar technologies (photovoltaic).

Type and capacity of renewable energy technology proposed by candidate CPA was assessed during onsite visit, interview with the CME and CPA implementer along with several supporting evidences e.g. energy generation simulation report by Traducción sin garantía, Sólo el texto inglés está garantizado./22/ a third party report, environmental approval/17/ dated 03/11/2011. The validation team can conclude that the approach used by the CPA-DD is valid and in line with the EB 68, annex 27 /B04-12/ for small scale projects (up to ≤ 15 MW) additionality. Hence the proposed project is deemed auto additional as per the description provided and supporting evidence made available to the validation team.

For the above reasons, this approach has been assessed to be appropriate for the assessment of additionality for this project activity.

Conclusion

In the above background, Validation Team confirms that the project activity conforms to approach 2 established in the PoA-DD for demonstrating additionality, hence the CPA is additional.

3.5 Emission Reduction

3.5.1 Determination of Baseline Emission

The baseline emissions under the applied methodology^{B02} are the product of electrical energy baseline $E_{GBL,y}$ expressed in MWh of electricity produced by the renewable generating unit multiplied by the grid

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emission factor. The baseline emissions are calculated as follows which is in line with the applied methodology:

$$BE_y = EG_{BL,y} * EF_{CO_2,grid,y}$$

Where:

BE_y = Baseline Emissions in year y (t CO₂)

$EG_{BL,y}$ = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh)

$EF_{CO_2,grid,y}$ = CO₂ emission factor of the grid in year y (tCO₂/MWh).

Emission factor of the grid ($EF_{CO_2,grid,y}$) is calculated the combined margin (CM), which consists of the combination of operating margin (OM) and build margin (BM) according to the procedures prescribed in the "Tool to calculate the Emission Factor for an electricity system" which is in line with option (a) of §12 of applied methodology AMS I. D. version 17^{/B02/}.

The above equation as provided by the applied methodology^{/B02/} has been transparently provided in the PDD^{/02/}, checked by the validation team.

Calculation of the $EF_{CO_2,grid,y}$

The combined margin calculation is fixed at PoA level (ex-ante). As the grid for the proposed CPA is SING, the EF is 0.7865 tCO₂/MWh

Assessment of assumptions used in Baseline Emissions

Parameter	Value Applied	Unit	Source of Information	DOE Conclusion
BASELINE EMISSIONS				
Rated Capacity of the plant (AC Side)	8	MW	Electricity simulation for a panel model YL 240P-29b	Cross-checked with Electricity simulation for a panel model YL 240P-29b dated 28/03/2012 and found correct. /22/
Energy Produced	23,004	MWh/year	Electricity simulation for a panel model YL 240P-29b	Cross-checked with Electricity simulation for a panel model YL 240P-29b, dated 28/03/2012 and found correct. /22/
Combined margin	0.7865	tCO ₂ /MWh	GEF calculation spread sheet/18/	Crosschecked with GEF calculation spread sheet/18/ and found acceptable.
Baseline Emission	28,091	t of CO ₂ e	CER calculation sheet/08/	CER calculation sheet has been cross checked and found the calculated ER to be 28,092, however, in the CPA-DD/06/ PP has rounded off the figure to 28,091. It is found to be appropriate and acceptable to the validation team.

Proposed project intends to reduce carbon dioxide (CO₂) emissions by generating electricity from a renewable source i.e. solar photovoltaic power plant, which would be exported to the SING grid of the Republic of Chile.

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There are no GHG emissions arising from the project being a hydro energy project. Hence, the project emissions are estimated zero. As per the methodology AMS-I.D version 17.0/B02/, there are no emissions related leakage in this SSC solar PV power project.

The calculation approach and calculation of the baseline emission and emission reduction are adequately documented in section B.5.2. and B.5.3 of CPA-DD/06/ and hence in line with the applied methodology AMS-I.D version 17.0/B02/.

According to the final PDD^{05/} the project is expected to reduce emissions of 126,637 tCO₂e over a 7 year renewable crediting period. The DOE has assessed the emission reduction calculation spread sheet/08/ and parameters used therein, and found that estimated emission reductions are according to the applied methodology/B02/ and tool/B03/ and thus concluded them plausible and conservative for the proposed project activity.

In summary, the calculation of emission reductions is correctly demonstrated by the PP according to the methodology AMS ID (version 17) /B02/ and the referred tool "Tool to calculate the emission factor for an electricity system (Version)" version 02.2.1./B03/ The summary of GHG emission reduction is as follows:

All assumptions made for estimating GHG are listed in the CPA-DD	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per CPA-DD/06/ Section B.5.2
All data used by project participants are listed in the CPA-DD/06/	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per CPA-DD/06/ Annex 3 Baseline Information and Section B.5.2
Their references and sources are also listed in the CPA-DD/06/	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per section B.5.2. of the CPA-DD/06/ and EF spread sheet/08/
Formulas, parameters, values are complete, accurate, transparent and conservative	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per section B.5.2 of the CPA-DD/06/ and EF spread sheet/08/
All the references and documents used are correctly quoted and conservatively interpreted in the CPA-DD/06/	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per section B.6 of the CPA-DD/06/ and EF spread sheet/08/
Methodology has been applied correctly to calculate project emissions, baseline emissions, leakage emissions and emission reductions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per AMS I.D. version 17.0/B02/ and methodological tool, "Tool to calculate the emission factor for an electricity system/Version 02.2.1"/B03/.
All the emissions of baseline emissions can be replicated using information provided in the CPA-DD/06/	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As per AMS I.D. version 17.0/B02/ and methodological tool, "Tool to calculate the emission factor for an electricity system/Version 02.2.1"/B03/.

CARs 4, 5 and 6 were raised and successfully closed during the course of validation.

3.3.2 Parameters determined ex-ante

Since the project comes under the SING grid, the ex ante value fixed at the PoA level is :

DATA/PARAMETER	UNIT	VALUE
Operating Margin of Chilean Grid (OM)	tCO ₂ /MWh	0.7588
Build margin of Chilean Grid (BM)	tCO ₂ /MWh	0.8694
Combined margin emission factor of Chilean Grid (CM) (for 25% BM and 75% OM)	tCO ₂ /MWh	0.7865

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In summary, the parameters determined ex-ante has been presented correctly according to SSC-PoA-DD and SSC-g-CPA DD.

Emission reduction calculation

The SSC-CPA-DD confirms to meet the procedures provided in the methodology /B02/ and SSC-PoA-DD /04/. The formulae are correctly presented for the determination of baseline emission reductions.

Being a solar project consideration of project emission and leakage emission as zero, is found to be inline with the applied methodology AMS ID (version 17) /B02/.

Estimation of Emission Reduction presented in the real case SSC-CPA-DD and corresponding ER spread sheet /08/ is transparent and traceable to the validation team. Estimation of emission reduction is conducted using accurate formulae and equations as stipulated in the applied methodology AMS ID (version 17) /B02/.and hence found appropriate.

However CL 3, CL 10, CL 11, CL 17 were raised and closed successfully.

Monitoring Plan

The monitoring plan presented in the SSC-CPA-DD /06/ complies with the requirements of the SSC-PoA-DD /04/, the applied monitoring methodology /B02/. The assessment team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.

The assessment team through document review and on site interviews with the relevant personnel has reviewed the procedures. The information provided has allowed the assessment team to confirm that the proposed monitoring plan is feasible within the project design. The relevant points of monitoring plan have been discussed with the CME and the CPA implementer. Specifically, these points include the monitoring methodology, data management, quality assurance and quality control procedures to be implemented in the context of the activity.

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

- **EG_{facility, y}** : Quantity of net electricity supplied to the grid in year *y* as a result of the implementation of the CPA in year *y*.

In summary, the parameter determined ex-post has been presented correctly according to requirements related to monitoring procedure and is considered in accordance with the applied methodology /B02/.

The responsibilities and institutional arrangements for data collection, reporting and archiving have been clearly provided. The information provided in the SSC-CPA-DD /06/ could be confirmed based on the interviews and also through the submitted documentary evidence namely Management System developed by CME /11/ covering all requirements as stated in section E.7.2 of PoA DD/04/. Based on the same, it can be confirmed that the CME and the CPA implementer will be able to implement the monitoring plan and the achieved emission reductions can be reported ex-post and verified.

However, during the course of validation CAR 6 was raised and closed successfully.

Stakeholder Consultation

The local stakeholder consultation has been done at the CPA level. This is deemed appropriate in the context of the CPA of the PoA. For the LSH consultation stakeholder were informed through newspaper advertisement /38/ /39/ and personal invitation sent out by e-mail /40/.

The public consultation was carried out on 06/03/2012 in the City of Antofagasta, Chile. The meeting was held in the Hall Diego de Almeyda of the Antofagasta Hotel.

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Comments and questions were raised regarding the benefits, environmental impacts and technical aspects of the project. The same has been assessed by reviewing the comment sheet /42/ interview with the local stakeholder and PP..

Hence based on above it can be concluded that local stake holder consultation is conducted prior to the webhosting of CPA-DD /03/ and fulfils the requirement of paragraph number 128 and 129 of VVM/B01/.

However, CL 12 was raised during the validation process and successfully closed.

Environmental Analysis

The Environmental Impact Statement /16/ of the proposed photovoltaic power plant is carried out in accordance with the Republic of Chile regulation by Enerficaz. The Environmental Impact Statement Report was submitted to the Environmental Assessment Service for a decision on 20/06/2011. Environmental authorisation /17/ was obtained by means of an Exempt Resolution No. 0193/2011 that was issued by the commission on 3 November 2011 and found to be appropriate in proposed CPA context.

Based on above documents it can be concluded that environmental analysis done is in accordance with the requirement of paragraph 132 of VVM /B01/, hence appropriate.

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APPENDIX A

THE VALIDATION PROTOCOL FOR CDM PROGRAMME OF ACTIVITIES

Title of CPA:

'SOL DEL NORTE PHOTOVOLTAIC POWER PLANT PROJECT'

Title of PoA to which CPA is to be included:

'CHILEAN SMALL SCALE RENEWABLE ENERGY PROGRAMME OF ACTIVITIES'³

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³ In the webhosted PoA-DD the title of the PoA was listed "Chilean Small Scale Renewable Energy Programme of Activities (PoA)".

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Table 1: Conformity of CDM Programme of Activities

CHECKLIST TOPIC / QUESTION	Ref.	Validation Team Comments	Draft Concl.	Final Concl.
A. GENERAL DESCRIPTION OF CDM PROGRAMME ACTIVITY (CPA)				
A.1. Title of the small-scale CPA:				
A.1.1. Does the used CPA title clearly enable to identify the unique CDM programme activity?	/01/	Letter of Approval (LoA) from the Host Party has not been provided to the DOE for Validation.	CAR-1	OK
A.1.2. Are there any indications concerning the revision number and the date of the revision?	/01/	CPA-DD has indicated the version of the document i.e. version 001, and date of the document as 30/01/2012 under section A.1.	OK	OK
A.1.3. Is this consistent with the time line of the programme's history?	/01/	Yes this is consistent with the time line of the programme's history.	OK	OK
A.2. Description of the CPA:				
A.2.1. Is the description delivering a transparent overview of the CPA?	/01/	Description of CPA under section A.2 of the Specific CPA-DD does not provide information on: <ul style="list-style-type: none"> • How the CPA reduces GHG emissions • Implementation schedule for the CPA 	CAR-2	OK
A.2.2. Is the project implementation schedule available; are there any risks for delays?	/01/	It is not conclusive if there is any risk for delays in the implementation of the CPA, in section A.2. no implementation schedule is available. Hence a CL is raised. CL 1: PP needs to provide the project implementation schedule in the description of the SSC-CPA.	CL-1	OK
A.2.3. Is CPA specific data clearly indicated as per CPA template?	/01/	Yes, CPA specific data is clearly indicated as per the CPA template in the CPA-DD.	OK	OK
A.2.4. What proofs are available demonstrating that the programme description is in compliance with	/01/	Depends on closure of CL 1 in section G.2.2 above.	CL-1	OK

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the actual situation or planning?				
A.2.5. Is the information provided by these proofs consistent with the information provided by the CPA-DD and the PoA-DD?	/01/	Depends on closure of CL 1 in section G.2.2 above.	CL-1	OK
A.2.6. Is all information presented consistent with details provided by further chapters of the CPA-DD and the PoA-DD?	/01/	Yes, the information presented in section A.2 of PoA-DD is consistent with details provided in further chapters of the CPA-DD and the PoA-DD.	OK	OK
A.3. Entity/individual responsible for the CPA:				
A.3.1. Does it become evident which entity/individual is responsible for the CPA (the CPA implementer)?	/02/	Yes, Section A.3. states that Fotovoltaica Sol del Norte Ltda is the developer and owner of the project.	OK	OK
A.3.2. Is there any document substantiating that the stated entity/individual is responsible for the implementation of the CPA?	/01/	No document is provided to substantiating that the stated entity/individual is responsible for the implementation of the CPA. Hence a CL is raised. CL 2: The PP is required to provide a letter that states who the responsible entity for CPA 1 is, and that this entity is aware of and supports their inclusion in the PoA.	CL-2	OK
A.3.3. Is all information on the CPA implementer provided in consistency with details provided by further chapters of the CPA-DD (in particular annex 1)?	/01/	Yes all information provided on the CPA implementer is consistent with details provided in Annex 1 of the CPA-DD.	OK	OK
A.4. Technical description of the CPA:				
A.4.1. Identification of the CPA:				
A.4.1.1. Is the Host Party stated and consistent with the information provided in the PoA-DD?	/01/	The host party is the Republic of Chile and is consistent with the information provided in the PoA-DD.	OK	OK
A.4.1.2. Does the information provided on the location of the programme activity allow for a unique identification of the location and the boundary of the CPA in terms of the geographical area?	/01/	Yes, in section A.4.1.2 the reference coordinates are given, allowing the unique identification of the CPA. The CPA will be located in a rural area of the Atacama Desert in the Antofagasta Province, Region of Antofagasta, Chile, and the geographic coordinates are 24° 0'50.06"S 68°35'34.56"W.	OK	OK
A.4.1.3. Are the geographic reference and the means	/01/	Yes, the geographic reference is presented in a transparent manner and	OK	OK

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of identification transparent and clear? Is GPS data provided?		GPS data has been provided.		
A.4.1.4. How is it ensured and/or demonstrated that the project proponents can implement the project (ownership, licenses, contracts etc.)?	/01/	In section A.3 of Specific CPA-DD states that Sol del Norte Photovoltaic Power Plant Project (CPA Serial Number 001) is owned by Fotovoltaica Sol del Norte Ltda. and implemented by the same. The same has been substantiated through the Approval of the "Land Concession Report" for Sol del Norte Photovoltaic Power Plant Project /49/ and the "Resolution of Environmental Qualification of the Sol del Norte Photovoltaic Power Plant Project" /52/.	OK	OK
A.4.2. Duration of the CPA: Description of a typical CDM programme activity (CPA)				
A.4.2.1. Is the starting date of the CPA provided?	/01/	Yes, the expected starting date (date of commissioning) of the CPA has been provided as the 31/05/2012. However this date has already past, hence a CAR is raised. CAR 3: The PP must provide evidence that support the starting date of the CPA.	CAR-3	OK
A.4.2.2. Is the starting date consistent with the PoA timeline and the requirements of the PoA procedures (Procedures para 5d, considering exception according to EB47, meeting report, para 72)?	/01/	Depends on closure of CAR 3 in section G.4.2.1 above	CAR-3	OK
A.4.2.3. Is the operational lifetime of the CPA clearly defined and plausible?	/01/	Yes, in Section A.4.2.2., the expected operational lifetime of the CPA has been clearly defined as 35 years, and is plausible.	OK	OK
A.4.3. Choice of the crediting period and related information:				
A.4.3.1. Is the starting date of the crediting period stated and plausible (in accordance with the PoA procedures)?	/01/	The starting date of the crediting period has been given as 31/12/2012 in Section A.4.3.1, and is in accordance with the PoA procedures. However the PP has not confirmed that the length of the CPA crediting period will not exceed the end of the PoA, hence a CL is raised. CL 3: The PP has to confirm that the length of the crediting period of the CPA will not exceed the end of PoA.	CL-3	OK
A.4.3.2. Is it evident that fixed crediting period is	/01/	It is evident that a renewable crediting period has been chosen, and the	CL-4	OK

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chosen, what is the length of the crediting period?		length of each crediting period is 7 years. However, in section A.4.3., the number of crediting periods have not been provided, hence a CL is raised. CL 4: In section A.4.3. the PP needs to establish the number of crediting periods of the CPA-DD.		
A.4.4. Estimated amount of emission reductions over the crediting period:				
A.4.4.1. Is the estimated amount of emission reductions been stated?	/07/	Yes, the estimated amount of emission reductions that has been stated in Section A.4.4 is: Total: 113,074 tCO ₂ eq Annual Average: 16,153 tCO ₂ eq/yr	OK	OK
A.4.4.2. Is the estimated amount consistent with section B 5 of the CPA-DD?	/07/	Yes, the estimated amount of reductions is consistent with section B.5 of the CPA-DD.	OK	OK
A.4.5. Public funding of the small-scale programme activity				
A.4.5.1. Is the information provided on public funding provided in compliance with the actual situation or planning?	/01/	In the section A.4.5 of PP states, “The project does not receive public funding”. However, no supporting evidence has been provided to validate that such funding has not been availed and does not result in diversion of ODA. Hence CL is raised. CL 6: The PP needs to substantiate with evidence that public funding has not been availed and does not result in a diversion of official development assistance.	CL 6	OK
A.4.5.2. Is all information provided consistent with the details given in remaining chapters of the CPA-DD (in particular annex 2)?	/01/	Depends on closure of CL 6 in section G.4.5.1 above.	CL 6	OK
A.4.6. Information to confirm that the proposed CPA is not a de-bundled component (considering PoA-de-bundling guidance):				
A.4.6.1. Is there a system or procedure to detect whether a CPA to be included in the PoA is not a de-bundled component of another CPA or CDM project?	/01/	Yes, in order to ensure that Sol del Norte Photovoltaic Power Plant Project is not a de-bundled component of another CDM project or CPA, the CME will proceed according to the “Guidelines on assessment of de-bundling for SSC project activities v3” EB54 Annex 13 para 8, section II – Guidance for determining the occurrence of de-bundling under a Programme of Activities (PoA) or the latest available rules on de-bundling at the time of the CPA inclusion.	OK	OK

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A.4.7. Confirmation that the CPA is neither registered as an individual CDM project activity or is part of another registered PoA				
<p>A.4.7.1. Confirmation provided by coordinating/managing entity or CPA implementer?</p>	<p>/01/</p>	<p>Section A.4.7 of the specific CPA-DD states that “The CPA proponent confirms in writing that the present SSC-CPA is not registered as an individual CDM project and is not part of another registered PoA.</p> <p>The CME has exhaustively checked the UNFCCC database and confirms that the present SSC-CPA is not registered as an individual CDM project and is not part of another registered PoA, as described in section A.4.4.1. of the proposed SSC-PoA-DD.”</p> <p>However, written confirmation has not been provided to confirm the same. Therefore, a CAR has been raised.</p> <p>CAR 4: It has to be substantiated with appropriate evidence that “Sol del Loa Photovoltaic Power Plant Project” – CPA Serial Number 001, is not registered as an individual CDM project activity nor is it part of another PoA.</p>	<p>CAR-4</p>	<p>OK</p>
<p>A.4.7.2. Is the CPA implementer undertaking another similar project activity in the same region? If yes, are the project activities uniquely identified and not overlapping with this CPA?</p>	<p>/01/</p>	<p>No, the CPA implementer is not undertaking another similar project activity in the same region. Section A.4.6. states that there is no previous activity in the area with the same activity implementer nor is there a boundary within 1km of the boundary of the proposed small-scale CPA at the closest point. Therefore the CPA is not a de-bundled component of a large scale activity.</p> <p>However, from the supporting documents of the UNFCCC-website and Environmental Assessment Services (SEA), it is not conclusive if the CPA implementer undertakes another similar project activity in the same region. Hence a CAR has been raised.</p> <p>CAR 5: The CPA implementer has to be substantiate with appropriate evidence that they have not undertaken another similar project activity in the same region.</p>	<p>CAR-5</p>	<p>OK</p>
B. ELIGIBILITY OF THE CPA AND ESTIMATION OF EMISSION REDUCTIONS:				
B.1. Title and reference of the registered PoA to which CPA is added:				
<p>B.1.1. Are the title and reference correctly provided?</p>	<p>/01/</p>	<p>Yes, the PoA title and reference number are correctly provided in section B.1 of the CPA-DD, given as the Chilean Small Scale Renewable</p>	<p>OK</p>	

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		Energy Programme of Activities, and. Ref: [UNFCCC Reference Number], respectively.			
B.2. Justification of why the CPA is eligible to be included in the registered PoA as per the Standard for the development of eligibility criteria for the inclusion of a project activity as a CPA under the PoA:					
B.2.1.	Criteria 1: "Connect to, and supply, electricity to any of the interconnected systems in Chile as described in A.4.1.2. during all or part of the crediting period of the proposed PoA."	/01/	<p>In section B.2. of the Specific CPA-DD, it has been stated that the project purpose is to supply renewable electricity to the North Interconnected System (SING). However, since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil criteria 1 that is established in Section B.2. of the CPA-DD, this will depend on closure of CAR 3 in section A.4.2.10 of the table of the PoA-DD above.</p> <p>CAR 7: Eligibility criteria must be in line with EB 65, Annex 3.</p>	CAR 7 & CAR3 in table 1 of PoA-DD	OK
B.2.2.	Criteria 2: "Clearly identify the relevant grid to which the electricity will be delivered within the geographical boundary of Chile and which does not cause trans-boundary impacts." The condition described in AMS-I.D> v. 17 para 1. Clauses (a) and (b) and para. 4, also applies.	/01/	<p>In section B.2. of the Specific CPA-DD, SING has been clearly identified as the relevant grid to which the electricity will be delivered, and SING is located within the Republic of Chile, which is within the geographical boundary of the PoA and does not cause any trans-boundary impacts. The condition described in AMS-I.D. v 17 para. 1 clause (a) is met, while condition (b) and para. 4 do not apply.</p> <p>However, since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil criteria 2 that is established in Section B.2., this will depend on the closure of CAR 3 in section A.4.2.10 of the table of the PoA-DD above and closure of CAR 7 in section H.2.1. above.</p>	CAR 7, CAR3 in table 1 of PoA-DD	OK
B.2.3.	<p>Criteria 3; "In order to avoid double counting, confirm in writing that;</p> <ul style="list-style-type: none"> - Grid connected electricity generation with a different technology has not been considered as an alternative to the project. - The CPA has not been and will not be registered as a single CDM project activity nor a CPA under another PoA. <p>The CPA implementer is aware and has agreed that the CPA will be part of the PoA. For more details refer to Section A.4.4.1."</p>	/01/	<p>In Section B.2. of the Specific CPA-DD, it has been stated that the CPA implementer has confirmed in writing its compliance with all mentioned clauses. However, to ensure the avoidance of double counting, documents must be provided supporting that at the time of inclusion the CPA did not belong to any other PoA or other registered CDM project activity.</p> <p>CL 7: To ensure avoidance of double counting, the CPA operator must confirm in writing that at the time of inclusion the CPA did not belong to any other PoA or other registered CDM project activity.</p> <p>Since the PoA-DD itself does not provide a clear and conclusive</p>	CL 7, CAR 7 & CAR3 in table 1 of PoA-DD	OK

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		requirement for CPAs to fulfil criteria 3, this will depend also on the closure of CAR 3 in section A.4.2.10 of Table 1 of the PoA-DD and closure of CAR 7 in section H.2.1. above.			
B.2.4.	<p>Criteria 4: “Be one of the following renewable energy power plant project categories:</p> <ul style="list-style-type: none"> - a run of river hydro power plant as described by the WCD in November 2000 - a hydroelectric power plant with or without a reservoir (single or multiple) with a power density greater than 4 W/m² - a wind farm power plant, on-shore or off-shore - a solar farm power plant (solar photovoltaic (PV) or concentrated solar power (CSP)) - a wave/tidal power plant 	/01/	<p>It is stated in Section B.2. of the Specific CPA-DD that the SSC-CPA is a solar photovoltaic (PV) power plant.</p> <p>However, since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil criteria 4, this will depend on the closure of CAR 3 in section A.4.2.10 of the table of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	<p>CL 7, CAR 7 & CAR 3 in table 1 of PoA-DD</p>	OK
B.2.5.	<p>Criteria 5: “Have a total installed capacity of up to 15 MW for small-scale and up to 5MW for micro-scale CPAs. This condition shall be maintained i.e. the thresholds cannot be surpassed during the CPA crediting period for both small-scale and microscale projects”</p>	/01/	<p>It is outlined in Section B.2. of the Specific CPA-DD, that the SSC-CPA is a small-scale project with an installed capacity of 8MW, and will remain as such for the lifetime of the project.</p> <p>Since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil criteria 5, this will depend also on the closure of CAR 3 in section A.4.2.10 of Table 1 of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	<p>CAR 7 CAR 3 in Table 1 of PoA-DD</p>	OK
B.2.6.	<p>Criteria 6: “Have a project start date after the PoA validation start date. This shall be demonstrated by documentary evidence such as the earlier of equipment purchase order or financial closure”</p>	/01/	<p>The expected project start date of the SSC-CPA is 31/05/2012, which is after the PoA validation start date. This is evidenced by the fact that the project has not yet started.</p> <p>However, according to the eligibility criteria the CPA operator must demonstrate this by providing documented evidence, such as evidence of the financial closure or the purchase order of the equipment. No documented evidence has been provided. Hence a CL is raised.</p> <p>CL 8: In order to demonstrate the starting date, the CPA operator must provide documentary evidence, such as the equipment purchase order or the</p>	<p>CAR 7 CL 8</p>	OK

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		financial closure. Also depend on the closure of CAR 7 in section H.2.1. above.		
B.2.7.	Criteria 7: "As per methodology AMS-I.D. v.17.0 para. 3, be either: - "a new power plant at a site where there was no renewable energy power plant operating prior to the implementation of the project activity (greenfield plant)"; or; - "Involve a capacity addition", which corresponds to "an increase in the installed power generation capacity of an existing power plant through: (i) The installation of a new power plant besides the existing power plant/units; or (ii) The installation of new power units, additional to the existing power plant/units continue to operate after the implementation of the project activity.""	/01/ The SSC-CPA has been identified as a greenfield project in Section B.2. and A.2. of the specific CPA-DD. However, since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil the criteria 7 that is established, this will depends also on the closure of CAR 3 in section A.4.2.10 of the PoA-DD above and closure of CAR 7 in section H.2.1. above.	CAR-7 CAR-3 in Table 1 of PoA-DD	OK
B.2.8.	Criteria 8: "The CPAs carried out under this PoA, involving capacity addition, as per AMS-I.D. v.17.0 para 7,must comply with the following: In case of project activities that involve the addition of renewable energy generation units at an existing renewable power generation facility, the added capacity of the units added by the project should be lower than 15MW and should be lower than 15MW and should be physically distinct from the existing units."	/01/ This SSC- CPA, Serial Number 001, is a greenfield project and therefore it does not involve capacity addition. Therefore, in this Specific CPA-DD, the criteria number 8 is not applicable.	OK	
B.2.9.	Criteria 9: "Demonstrate that the CPA complies with the additionality test as described in Section E.5."	/01/ As described in Section B.3. of the Specific CPA-DD, the Sol del Norte Photovoltaic Power Plant Project is considered additional. However, depends on the closure of CAR 3. Refer to section E.5.1 of the Table 1 of the PoA-DD and closure of CAR 7 in section H.2.1. above.	CAR-7 CAR-3 in Table 1 of the PoA-DD	OK
B.2.10.	Criteria 10: "Be in compliance with all relevant host country laws and regulations available at the time of the CPA inclusion into the PoA, especially in relation to local stakeholder consultations and environmental impact	/01/ In section B.2 under Specific CPA-DD it has been stated that the project is in compliance with all relevant host country laws and regulations available at the time of the CPA inclusion in the PoA. This CPA has the	CAR-7 CAR-3 in	OK

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analyses.”		<p>Environmental Approval Qualification, which confirms the compliance with Chilean laws and regulations.</p> <p>However since the PoA-DD itself does not state that the requirement for fulfil criteria 11 is the Environmental Approval Qualification, this will depends also on the closure of CAR 3 in section A.4.2.10 of the table of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	<p>Table 1 of the PoA-DD</p>	
B.2.11 Criteria 11: “Demonstrate in writing that no public funding from Annex I parties will be used in its development.”	/01/	<p>In section B.2 of the Specific CPA-DD it has been stated that the CPA implementer will confirm in writing that no public funding from Annex I parties will be used, as stated in Annex 2 of this CPA. However, no supporting document has been provided to support it. Refer to section G.4.5.1 above.</p> <p>Since the PoA-DD itself does not provide a clear and conclusive requirement for CPAs to fulfil the criteria 12 that is established, this will depend also on the closure of CAR 3 in section A.4.2.10 of the table of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	<p>CL 6 CAR 7</p> <p>&</p> <p>CAR 3 in Table 1 of PoA-DD</p>	OK
B.2.12 Criteria 12: Confirm that 100% of the CPA will be monitored according to the procedures in A.4.4.2.	/01/	<p>Section B.2. of the Specific CPA-DD states that 100% of the CPA will be monitored according to relevant procedures.</p> <p>However, the conclusion depends on the closure of CAR 3 in section A.4.2.10 of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	<p>CAR 7</p> <p>CAR 3 in Table 1 of</p>	OK
B.2.13 Criteria 13: Sign a contract of services with the CME and comply with its requirements	/01/	<p>In section B.2 of the Specific CPA-DD it has been stated that the CPA implementer confirms that it has signed a contract of services with the CME and is in compliance with its requirements as per the PoA Inclusion Agreement. However no supporting document has been provided to support the same. Hence a CL is raised.</p> <p>CL 9: The CPA implementer must provide a contract of services with the CME, as supporting evidence for criteria 13.</p> <p>Since the PoA-DD itself does not provide a clear and conclusive</p>	<p>CL 9 CAR 7</p> <p>&</p> <p>CAR 3 in Table 1 of</p>	OK

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		requirement for CPAs to fulfil criteria 14, this will also depend on closure of CAR 3 in section A.4.2.10 of the PoA-DD and closure of CAR 7 in section H.2.1. above.		
B.2.14. Criteria 14: Be a voluntary activity	/01/	<p>In section B.2. of the specific CPA-DD, it has been stated that the implementer of the Sol del Norte Photovoltaic Power Plant has declared that this is a voluntary activity. Accordingly, the CPA has provided the application letter sent to the DNA in order to comply with the requirement of obtaining the LoA confirming that the Sol del Norte Photovoltaic Power Plant Project, owned by Fotovoltaica Sol del Norte Ltda., was implemented voluntarily /37/. However, the LoA from the Host Party has not been provided to verify the same. Refer to section G.1.1.</p> <p>Additionally, since the PoA-DD itself does not state that in order to fulfil criteria 14 the application letter sent to the DNA for compliance with the requirement of obtaining the LoA must be provided, this will also depend on closure of CAR 3 in section A.4.2.10 of the PoA-DD and closure of CAR 7 in section H.2.1. above.</p>	CAR 1 CAR 7 CAR 3 in Table 1 of PoA-DD	OK
B.2.15 Criteria 15: Cede its rights over the CERs generated by the CPA to the CME (Less Carbon) under a contractual agreement.	/01/	<p>In section B.2 of the Specific CPA-DD it has been stated that the CPA implementer confirms that it has ceded the rights over the CERs generated by the CPA to the CME, as per the PoA Inclusion Agreement.</p> <p>However no supporting document has been provided to support the same. Refer to section H.2.13. and closure of CAR 7 in section H.2.1. above.</p>	GL7 CAR 7	OK
B.3. Assessment and demonstration of additionality of the CPA, as per eligibility criteria listed in the registered PoA:				
B.3.1. Are the key criteria and data for assessing additionality of a CPA that are included into the PoA addressed?	/01/	Depends on the closure of CAR 12, refer to section E.5.1 of the Table 1 of the PoA-DD above.	CAR 12 in Table 1 of PoA-DD	OK
B.3.2. Are the key criteria and data for assessing additionality of a CPA that are included into the PoA met?	/01/	Depends on the closure of CAR 12, refer to section E.5.1 of the Table 1 of the PoA-DD above.	CAR 3 in Table 1 of PoA-DD	OK

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B.3.3.	Does it become evident how these criteria were applied to assess the additionality of the CPA?	/01/	Depends on the closure of CAR 3, refer to section E.5.1 of the Table 1 of the PoA-DD above.	CAR 3 in Table 1 of PoA-DD OK
B.3.4.	Does this list include at least one of the following barriers?	/01/	Not applicable, because this project claim additionalioit according to the guidelines on the demonstration of additionality of small-scale project activities and does not needs documentation of barriers.	OK OK
B.4. Description of the sources and gases included in the project boundary and proof that the CPA is located within the geographical boundary of the registered PoA				
B.4.1.	Does the CPA boundary include the physical and geographical location where the programme activities take place?	/01/	Yes, the Specific CPA-DD boundary includes the physical and geographical location where the programme of activities takes place. As per Section A.4.1.2 of the specific CPA-DD, the first CPA is located in the Republic of Chile, the Antofagasta Province, Region Antofagasta, which is within the boundary of the registered PoA.	OK OK
B.4.2.	Is there any proof that the CPA is located within the geographical boundary of the registered PoA?	/01/	No LoA has been provided for proof that the CPA is located within the geographical boundary of the PoA-DD. Hence this section depends on the closure of CAR 1 in section A.1.1 of the PoA-DD above.	CAR 1 OK
B.4.3.	Are all sources and gases within the boundary considered in a clear manner?	/01/	Yes, all sources and gases within the boundary considered in a clear manner and are in line with the applied methodology AMS-ID version 17.0.	OK OK
B.4.4.	Do the spatial and technological boundaries as verified on-site comply with the discussion provided by / indication included to the PoA-DD or CPA-DD?	/01/	Yes the spatial and technological boundaries as verified on /50/ /52/ comply with the discussion provided in CPA-DD.	OK OK
B.5. Emission reductions:				

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B.5.1. Data and parameters that are available at validation:				
B.5.1.1. Are the equations, including fixed parametric values, to be used for calculation of emission reductions of a CPA, completely presented?	/01/	<p>The CPA-DD in section B.5. provides equation including fixed parametric values to be used for calculation of emission reductions. However, it has not been considered the data vintage for the emission factor calculations.</p> <p>CL 10: For the grid emission factor calculations, the years 2008, 2009 and 2010 have been considered as the most recent data available at the time of submission of the PoA-DD to the DOE for validation. However, on the official website of the Northern Interconnected System, data of 2011 is available.</p> <p>Depends on the closure of CL 17 in section E.6.1.2 of the PoA-DD above.</p>	CL 10 & CL 17 in Table 1 of PoA-DD	OK
B.5.1.2. Is the list of parameters presented in chapter B.5 considered to be complete with regard to the requirements of the applied methodology?	/01/	<p>The list of parameters is presented in section B.5.1. with regard to the requirements of the applied methodology AMS- ID Version 17.0.</p> <p>However depends on the closure of CL 10 in section H.5.1.1 above.</p>	CL 10	OK
B.5.2. Ex-ante calculation of emission reductions (B.5.2.):				
B.5.2.1. Are the GHG calculations documented in a complete and transparent manner?	/01/	<p>No, the GHG calculations are not documented in a complete and transparent manner in B.5.2 of CPA-DD. The values of all the parameters used in emission reduction calculations have not been provided clearly. Hence a CL is raised.</p> <p>CL 11: PP is requested to provide in a clear and transparent manner, the values of parameters used for emission reduction calculations in section B.5.2 of CPA-DD.</p>	CL 11	OK
B.5.2.2. Is the data provided in this section consistent with data as presented in other chapters of the PoA-DD or CPA-DD?	/01/	Depends on the closure of CL 17 in section E.6.1.2 of the PoA-DD above.	CL 17 in Table 1 of PoA-DD	OK
B.5.3. Summary of the ex-ante estimation of emission reductions (B 5.3)				

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B.5.3.1. Will the programme activity result in fewer GHG emissions than the baseline scenario?	/01/	Yes, the project activity has lower GHG emissions compared to the baseline scenario, as the solar plant displaces electricity from the grid, which is more intensive in fossil fuel usage. Additionally, project emissions of the technology are estimated to be zero.	OK	OK
B.5.3.2. Is the form/table required for the indication of projected emission reductions correctly applied?	/01/	Yes, the form/table required for the indication of projected emission reductions is correctly applied.	OK	OK
B.5.3.3. Do these values comply with small-scale criteria for every year?	NA	As the project activity is a type (I)-project, hence with a maximum installed capacity of 15 MW, this checklist-question is not applicable.	N/A	OK
B.5.3.4. Is the projection in line with the envisioned time schedule for the programme's implementation and the indicated crediting period?	/01/	Depends on the closure of CL 3 in section G.4.3.1 above.	CL 3	OK
B.5.3.5. Is the data provided in this section in consistency with data as presented in other chapters of the PoA- or CPA-DD?	/01/	Yes, the data provided in this section is consistent with data as presented in other chapters of the PoA-DD or CPA-DD.	OK	OK
B.6. Application of the monitoring methodology and description of the monitoring plan				
B.6.1. Description of the monitoring plan for the CPA				
B.6.1.1. Is the operational and management structure clearly described and in compliance with the envisioned situation?	/01/	CPA-DD under section B.6.1 has not provided the monitoring parameter in accordance with the applied methodology. Moreover documentary evidence of the written procedures has not been provided. CAR 6: The section B.6.1 of the PDD lacks in following: List of monitoring parameters as per applied methodology. The PP must provide the written procedures of the list they established in point 1 (e) of this section.	CAR-6	OK
B.6.1.2. Are responsibilities and institutional arrangements for data collection and archiving clearly provided?	/01/	Depends on closure of CAR 6 in section H.6.1.1 above.	CAR-6	OK
B.6.1.3. Does the monitoring plan provide current good monitoring practice?	/01/	Depends on closure of CAR 6 in section H.6.1.1 above.	CAR-6	OK
B.6.1.4. If applicable: Does annex 4 provide useful information enabling a better under-	NA	N/A since Annex 4 has not provided any information.	N/A	OK

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	standing of the envisioned monitoring provisions?				
B.6.1.5.	Is the list of parameters presented in chapter B.6.1 considered to be complete with regard to the requirements of the applied methodology?	/01/	Depends on cosure of CAR 6 of section H.6.1.1 above and CRA 15 in section E.7.1.1. of the PoA-DD.	CAR 6 & CAR 15 of Table 1 of PoA above.	OK
C. ENVIRONMENTAL ANALYSIS					
C.1. Definition of the level at which environmental analysis as per requirements of the CDM modalities and procedures is undertaken:					
C.1.1.	Is it defined whether the environmental analysis takes place at PoA or CPA level?	/01/	Yes, in Section C.1. of the specific CPA-DD and Section C.3. of the PoA, the CME clearly states that the environmental analysis will be carried out at CPA level.	OK	OK
C.1.2.	Is the choice whether the environmental analysis takes place at PoA or CPA level justified?	/01/	According to section C.1, C.2 and C.3 of the CPA-DD, the PP, referring to section C.3 of the PoA-DD, has clearly justified that the environmental analysis takes place at CPA level. However, the PP must update the name and acronym of the governing entity of the environmental impact assessment. Please refer to section C.1.2 of Table 1 of the PoA-DD above.	CL 11 of Table 1 of PoA-DD	OK
D. STAKEHOLDERS' COMMENTS					
D.1. Please indicate the level at which local stakeholder comments are invited. Justify the choice:					
D.1.1.	Is there a clear statement whether the stakeholder comments were invited at PoA or CPA level?	/01/	No, there is no clear statement whether the stakeholder comments were invited at PoA or CPA level. From section D.2 of the CPA-DD, the PP described how local stakeholders have been invited, from which the DOE can infer that stakeholder comments were invited at CPA level. CL 12: However, a clear and conclusive statement must be provided for the same.	CL 12	OK
D.1.2.	Is the choice justified in a clear and reasonable manner?	/01/	Depends on closure of CL 12 in section J.1.1 above.	CL 12	OK
E. ANNEXES 1 – 4					

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E.1. Annex 1: Contact Information					
E.1.1.	Is the information provided consistent with the one given under section A.3?	/01/	Yes information provided on the participants is consistent with section A.3 of CPA-DD.	OK	OK
E.1.2.	Is the information on all private participants and directly involved Parties presented?	/01/	Yes, the only private participant involved is Fotovoltaica Sol del Norte Ltda.; and there's also only one party involved, the Republic of Chile.	OK	OK
E.2. Annex 2: Information regarding public funding					
E.2.1.	Is the information provided on the inclusion of public funding (if any) in consistency with the actual situation presented by the project participants?	/01/	Depends on the closure of CL 6 in section G.4.5.1 above.	CL-6	OK
E.2.2.	If necessary: Is an affirmation available that any such funding from Annex-I-countries does not result in a diversion of ODA?	/01/	Depends on the closure of CL 6 in section G.4.5.1 above.	CL-6	OK
E.3. Annex 3: Baseline information					
E.3.1.	If additional background information on baseline data is provided: Is this information consistent with data presented by other sections of the PoA- or CPA-DD?	/01/	Additional information is provided in Annex 3 with respect to determination of the grid emission factor – SING. Depends on closure of CL 10 in section H.5.1.1 above.	CL-10	OK
E.3.2.	Is the data provided verifiable? Has sufficient evidence been provided to the validation team?	/01/	Depends on closure of CL 10 in section H.5.1.1 above.	CL-10	OK
E.3.3.	Does the additional information substantiate / support statements given in other sections of the PoA- or CPA-DD?	/01/	Depends on closure of CL 10 in section H.5.1.1 above.	CL-10	OK
E.4. Annex 4: Monitoring information					
E.4.1.	If additional background information on monitoring is provided: Is this information consistent with data presented in other sections of the PoA- or CPA-DD?	/01/	No additional background information on monitoring is provided.	N/A	OK
E.4.2.	Is the information provided verifiable? Has sufficient evidence been provided to the	/01/	Please refer to section K.4.1 above.	N/A	OK

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validation team?					
E.4.3.	Do the additional information and / or documented procedures substantiate / support statements given in other sections of the PoA- or CPA-DD?	/01/	Please refer to section K.4.1 above.	N/A	OK

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Table 2: Resolution of Corrective Action and Clarification Requests

The findings of validation process for rCPA-DD are summarized in the tables below.

Finding		CAR-1		
Classification		<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	A Letter of Approval (LoA) from the Host Party must be provided to the DOE for Validation.			
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>The Letter of Approval has been provided to the DOE but for the SSC-PoA. A LoA for a CPA is not required.</p> <p>The LoA states that the Chilean DNA authorizes Carbon Capital Inc. & Cia. Ltda. As Coordinating/managing entity for this programme of activities and confirms that this PoA contributes to sustainable development in Chile and has been presented voluntarily. The LoA also states that the authorization is valid for all the project activities (CPADD) that comply with national environmental regulations that declared the project environmentally sound</p> <p>In addition the name of the Host Party has been amended from "Republic of Chile" to "Chile" in the entire document to be consistent with the name provided in the LoA.</p> <p>Please see file: "SD1 LoA SSC PoA.pdf"</p>			
DOE Assessment #1 <i>(validators)</i>	<p>The LoA issued from Chilean DNA ref no 121915 dated 14/06/2012 is received from the client for the PoA.</p> <p>CAR is closed.</p>			
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed			

Finding		CAR-2		
Classification		<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	<p>The description of the CPA under section A.2. of the specific CPA-DD must provide information on:</p> <ul style="list-style-type: none"> • How the CPA reduces GHG emissions • Implementation schedule for the CPA 			
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>Corrections have been made.</p> <ul style="list-style-type: none"> • In section A.2 how the CPA reduces GHG emissions has been included. • In section A.2 project implementation milestones (schedule) for the CPA has been provided. A new table has been included. "Table 1: Project Time Table". As a consequence of including a new table the number of all the following tables in the SSC-CPA-DD has been modified and new footnotes have been including. Also a new project start date, construction date and commissioning date have been provided. 			

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Finding	CAR-2
DOE Assessment #1 (validators)	<ul style="list-style-type: none"> Under section A.2 of the revised CPA-DD, it is described that the proposed CPA is green field SSC solar power project in which project emission is zero and hence reduces the GHGs emission which will realise in the baseline case. The description is found appropriate and acceptable to validation team. Implementation scheduled is not found provided. However, implementation milestone is provided. <p>CAR point is open.</p>
Corrective Action #2 (PP shall write a detailed and clear corrective action as per finding)	<p>An implementation schedule is provided. The PP states the following: "The project start date is expected to be on May 30th, 2013 coincident with the notice to proceed under the EPC Agreement. The expected starting date of construction for the project is on June 1st, 2013. The commissioning date is expected to be on December 31st, 2014. The project will be build at once." The following supporting evidence is provided:</p> <p>File name: "SD88 Implementation Schedule Sol del Norte.pdf"</p>
DOE Assessment #2 (validators)	<p>Implementation schedule has been provided in the revised CPA supported with a declaration from the CPA Implementer Fotovoltaica Sol del Norte Ltda. indicating the estimated Project Schedule for the Sol del Norte Photovoltaic Power Plant Project.</p> <p>CAR is closed.</p>
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CAR-3
Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	The PP must provide evidence that support the starting date of the CPA.
Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)	<p>Clarification has been provided.</p> <p>The proposed project starting date has been changed to 31/05/2013 as an expected date of financial closure. As the financial closure still does not happened, evidence does not exist, but it will be provided in the future if required. However a signed statement including the expected project start date from the CPA implementer is provided.</p> <p>Please see file "SD62 Fotovoltaica Sol del Norte Ltda. Statement signed.pdf"</p>
DOE Assessment #1 (validators)	<p>As per "Glossary of CDM term" date of financial closure is not a start date of the CPA.</p> <p>Hence, the justification for start date is not found appropriate.</p> <p>CAR 3 is open.</p>

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Finding	CAR-3
Corrective Action #2 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>Correction has been made in section A.2 of the SSC-CPA-DD as per EB70 Annex 7 (Version 07.0). "Glossary of CDM term".</p> <p>The project start date is expected to be on the 30/05/2013 coincident with the notice to proceed under the EPC Agreement. As the EPC agreement has not been signed yet, evidence does not exist, but it will be provided in the future if required.</p> <p>Please see "SD88 Implementation Schedule Sol del Norte.pdf"</p>
DOE Assessment #2 <i>(validators)</i>	<p>The start date has been changed in the revised CPA according to the implementation schedule issued by the CPA implementer, where it has been specified that the project start date is expected to be on 30/05/2013, coincident with the notice proceed under the EPC Agreement.</p> <p>CAR is closed.</p>
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CAR-4
Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	<p>The PP must substantiate with appropriate evidence, i.e. written confirmation, that "Sol del Norte Photovoltaic Power Plant Project" – CPA Serial Number 001, is not registered as an individual CDM project activity nor is it part of another PoA.</p>
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>An appropriate evidence has been provided.</p> <p>The Inclusion Agreement signed has been provided. In this document is clearly stated that Sol del Norte Photovoltaic Power Plant Project will not belong to any other PoA or other registered CDM project activity:</p> <p>SCHEDULE 1 TERMS AND CONDITIONS</p> <p>REPRESENTATIONS, WARRANTIES AND UNDERTAKINGS</p> <p>2.3 d) points i) to vii)</p> <p>Please see file "SD61 Inclusion Agreement Signed.pdf"</p> <p>Moreover the CME has exhaustively checked the UNFCCC database confirming Sol del Norte Photovoltaic Power Plant Project is not registered as an individual CDM project and is not part of another registered PoA</p> <p>Please see http://cdm.unfccc.int/Projects/projsearch.html</p>
DOE Assessment #1 <i>(validators)</i>	<p>In the inclusion agreement, CME and CPA implementer mutually declared that the proposed CPA is not registered as an individual CDM project activity nor is it part of another PoA.</p> <p>CAR 4 is closed.</p>
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CAR-5
Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR

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Finding	CAR-5
Description of finding <i>(Validators)</i>	The CPA implementer has to be substantiated with appropriate evidence that they have not undertaken another similar project activity in the same region.
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>Evidence has been provided.</p> <p>There is no previous activity in the area with the same activity implementer nor is there a boundary within 1 km of the boundary of the proposed small-scale CPA at the closest point. Therefore the CPA is not a de-bundled component of a large scale activity.</p> <p>Please see file "SD62 Fotovoltaica Sol del Norte Ltda. Statement signed.pdf" and "SD68 CME debundling statement signed.pdf"</p> <p>In addition the following changes have been made to section B.2:</p> <ul style="list-style-type: none"> According to section A.4.2.2 of the SSC-PoA-DD a new table comprising the eligibility criteria for inclusion of a SSC-CPA in the SSC-PoA has been included in section B.2 of the SSC-CPA-DD. <p>The eligibility criteria for inclusion of a CPA in the PoA are in line with the "Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities (version 01.0)" EB 65 Annex 3. Please see Table 3 in the SSC-CPA-DD: <i>Eligibility criteria for inclusion of a CPA in the PoA</i></p> <p>The proposed CPA is in compliance with eligibility criteria for inclusion of a CPA in the PoA</p>
DOE Assessment #1 <i>(validators)</i>	<p>Validation team checked the declaration letter from the CPA implementer dated 30/10/2012 that</p> <p>"The CPA complies with the "Guidelines on assessment of debundling for SSC Project activities v.3" EB54, Annex 13 para. 8. There is no previous activity in the area with the same activity implementer nor is there a boundary within 1 km of the boundary of the proposed small-scale CPA at the closest point. Therefore the CPA is not a de-bundled component of a large scale activity."</p> <p>Hence, validation team can accept the argument of PP that they have not undertaken another similar project activity in the same region.</p> <p>CAR is closed.</p>
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CAR-6
Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	<p>Section B.6.1 of the CPA DD lacks in following:</p> <ul style="list-style-type: none"> List of monitoring parameters as per applied methodology. The PP must provide the written procedures of the list they established in point 1 (e) of this section.

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Finding	CAR-6
<p>Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i></p>	<p>Section B.6.1 has been completely amended according to section E.7.2 of the SSC-PoA-DD.</p> <ul style="list-style-type: none"> Based on the methodology AMS-I.D. (Version 17), the only data and parameter to be monitored during the CPA crediting period is the quantity of net electricity supplied to the grid ($EG_{\text{facility}, y}$). The relevant table has been provided. <p>In addition the following changes have been made:</p> <p>As the emission factor has been calculated ex-ante at PoA level, all the monitoring parameters related to the calculation of the grid emission factor according to the "Tool to calculate the emission factor for an electricity system" (Version 02.2.1), have been excluded from section B.6. of the SSC-CPA-DD.</p> <ul style="list-style-type: none"> In section B.6.1 it has been established that a written procedure must be set up at CPA level, but prior to its commissioning. As the commissioning date is expected to be on the 31st of December 2013 no written procedure has been set up yet. If required written procedures will be provided in the future.
<p>DOE Assessment #1 <i>(validators)</i></p>	<ul style="list-style-type: none"> Monitoring parameter is provided i.e. "Quantity of net electricity supplied to the grid in year y ($EG_{\text{facility}, y}$)" in section B.6.1 of the revised CPA-DD. Since the proposed project commissioning date is expected in December 2013, hence the PP's argument that the data collection, training procedure etc. will be established before the commissioning of the CPA. <p>CAR is closed.</p>
<p>Conclusion <i>Tick the appropriate checkbox</i></p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	CAR-7
<p>Classification</p>	<p><input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR</p>
<p>Description of finding <i>(Validators)</i></p>	<p>The eligibility criteria are not in line with "Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities (version 01.0)" EB 65 Annex 3. The PP must provide the supporting evidence for all of them.</p> <p>The justification and evidences provided are not found appropriate.</p>
<p>Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i></p>	<p>The eligibility criteria for inclusion of a CPA in the PoA in section B.2 of the SSC-CPA-DD are in line with the "Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities (version 01.0)" EB 65 Annex 3.</p> <p>Justification and evidences for all criteria's have been provided properly in Table 7 of section B.2 of the SSC-CPA-DD.</p>

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Finding	CAR-7
DOE Assessment #1 (validators)	<p>The description for eligibility criteria for inclusion of a SSC-CPA in the PoA has been mentioned in accordance to the paragraph 14 of EB65, Annex 03.</p> <p>The PP has referenced the Inclusion Statement as supporting document for Criteria 2, 8 and 13, and specifies the clauses that mention the points to support eligibility criteria.</p> <p>CAR is closed.</p>
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-1
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	The PP needs to substantiate with documented evidence that the programme description and implementation schedule are in compliance with the actual situation or planning.
Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)	<p>Clarification has been provided.</p> <p>The programme description and implementation schedule are in compliance with the actual situation or planning</p> <ul style="list-style-type: none"> In section A.2 of the SSC-PoA-DD a project implementation milestones (schedule) for the CPA has been provided. A new table has been included. "Table 1: Project Time Table". As a consequence of including a new table the number of all the following tables in the SSC-CPA-DD has been modified. Also a new project start date, construction date and commissioning date have been provided.
DOE Assessment #1 (validators)	<p>Clarification is asked for the implementation schedule of the CPA that when it is going to implement and how many phases.</p> <p>CL 1 is open.</p>
Corrective Action # 2	<p>Clarification has been provided in section A.2. of the SSC-CPA-DD</p> <p>The implementation schedule of the CPA that when it is going to implement and in how many phases has been provided as follows:</p> <p>The project start date is expected to be on the 30/05/2013 coincident with the notice to proceed under the EPC Agreement. The expected starting date of construction for the project is on the 01/06/2013.</p> <p>As the construction activities of the solar (PV) power plant will take 7 months, the commissioning date is expected to be on 31/12/2013. The project will be build at once.</p> <p>Please see "SD88 Implementation Schedule Sol del Norte.pdf"</p>
DOE Assessment # 2	Clarification of the implementation schedule of the CPA on when is it going to be implemented and in how many phases, was provided in the revised CPA. A statement from the CPA implementer has been submitted for supporting the same, confirming the provisions of the PP. CL is closed.
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

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Finding	CL-2
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	The PP is required to provide a letter that states who the responsible entity for CPA 1 is, and that this entity is aware of and supports their inclusion in the PoA.
Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)	<p>An appropriate evidence has been provided.</p> <p>The Inclusion Agreement signed has been provided. In the first page of this document is clearly stated who is the responsible entity for CPA 1 : “FOTOVOLTAICA SOL DELNORTE LIMITADA”</p> <p>In the same document it is established that the Program Member is aware of and supports their inclusion in the PoA.</p> <p>SCHEDULE 1 TERMS AND CONDITIONS</p> <p>REPRESENTATIONS, WARRANTIES AND UNDERTAKINGS</p> <p>2.3 d) point ii)</p> <p>Please see file “SD61 Inclusion Agreement Signed.pdf”</p> <p>In addition section A.3 of the SSC-CPA-DD has been amended as per CDM-SSC-CPA-DD template, version 01. <i>“Fotovoltaica Sol del Norte Ltda is the CPA Implementer (entity responsible of the CPA) of the project activity. Fotovoltaica Sol del Norte Ltda is not a project participant of the SSC-PoA”.</i></p> <p>http://cdm.unfccc.int/Reference/PDDs_Forms/PoA/PoA_form01_v01.pdf</p>
DOE Assessment #1 (validators)	<p>Validation team checked the inclusion agreement signed on 16/10/2012 and found that CPA implementer Fotovoltaica Sol del Norte Ltda. Is the responsible entity for CPA 01 and aware and supports their inclusion in the PoA.</p> <p>Moreover, in section A.3 of the revised CPA, it is found clearly mentioned that the “Fotovoltaica Sol del Norte Ltda.” is the CPA implementer (entity responsible of the CPA) of the project activity.</p> <p>CL is closed.</p>
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-3
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	The PP must confirm that the length of the crediting period of the CPA will not exceed the end of PoA.
Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)	<p>Clarification has been provided.</p> <p>As the crediting period of the proposed CPA will start on the year 2014, and each crediting shall be at most 7 years and may be renewed at most two times (accounting 21 years), it can be concluded that the length of the crediting period of the CPA will not exceed the end of SSC-PoA, which will have a length of 28 years.</p>
DOE Assessment #1 (validators)	<p>It is found confirmed in section A.4.3.2 of the revised CPA that length of the crediting period will not exceed the end of PoA.</p> <p>CL is closed.</p>

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Finding	CL-3		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL-4		
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	In section A.4.3. the PP needs to establish the number of crediting periods of the CPA-DD.		
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>Clarification has been provided.</p> <p>Each crediting shall be at most 7 years and may be renewed at most two times.</p> <p>In addition in section A.4.3.2 the length of the crediting period has been amended from 7 years to 7 years, 0 month.</p>		
DOE Assessment #1 <i>(validators)</i>	<p>Clarification is provided.</p> <p>CL is closed.</p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL-5		
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	<p>Following justification/evidence is required for the information provided in table 5 in section A.4 of revised CPA-DD version 1.1:</p> <ol style="list-style-type: none"> 1. Provided the third party contract with the CPA implementer for the PLF estimation. 2. PLF report issued by third party <p>Evidence for expected life of the proposed project i.e. 35 years.</p>		
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<ul style="list-style-type: none"> • A report issued by a third party regarding the PLF of the proposed project activity has been provided. <p>Please see file "SD89 Plant Load Factor Calculation.pdf"</p> <ul style="list-style-type: none"> • Table 5 and section A.4.2.2. of the SSC CPA DD has been amended. The expected life of the project is 25 years. <p>Please see files "SD87 Yingli warranty.pdf"</p>		
DOE Assessment #1 <i>(validators)</i>	<p>Evidence of the information provided in table 5 in section A.4 of the revised CPA-DD version 1.2 has been submitted by the PP.</p> <p>PLF calculation has been confirmed from the report issued by a third party named Trivinco International, which is based on the simulation for the panels (provided by the PP) and certifies the PLF used in the proposed project activity. The validation team has accepted the supporting document.</p> <p>Evidence for the expected life of the proposed project has been provided. The expected life of the project has been changed to 25 years and supported with the manufacturer warranty, which has been accepted.</p> <p>CL is closed.</p>		

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Finding	CL-5
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-6
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	The PP needs to substantiate with evidence that public funding has not been availed and does not result in a diversion of official development assistance.
Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i>	<p>Clarification has been provided.</p> <p>A new footnote has been included in section A.4.5 substantiating with evidence that public funding has not been availed and does not result in a diversion of official development assistance. In addition the same section has been amended.</p> <p>In the Inclusion Agreement signed between the CME and the CPA Implementer it is clearly stated that the CPA is a voluntary activity and no public funding from Annex I parties has been used in its development.</p> <p>SCHEDULE 1 TERMS AND CONDITIONS</p> <p>REPRESENTATIONS, WARRANTIES AND UNDERTAKINGS</p> <p>2.3 d) point vi)</p> <p>Please see file "SD61 Inclusion Agreement Signed.pdf"</p>
DOE Assessment #1 <i>(validators)</i>	<p>The inclusion agreement between CME and CPA implementer is checked and found stated that no public funding from Annex 1 is involved for this project.</p> <p>CL is closed.</p>
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-7
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding <i>(Validators)</i>	To ensure avoidance of double counting, the CPA operator must confirm in writing that at the time of inclusion the CPA did not belong to any other PoA or other registered CDM project activity.

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Finding	CL-7
<p>Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)</p>	<p>An appropriate evidence has been provided.</p> <p>The Inclusion Agreement signed has been provided. In this document is clearly stated that the CPA will not belong to any other PoA or other registered CDM project activity:</p> <p>SCHEDULE 1 TERMS AND CONDITIONS</p> <p>REPRESENTATIONS, WARRANTIES AND UNDERTAKINGS</p> <p>2.3 d) points i) to vii)</p> <p>Please see file "SD61 Inclusion Agreement Signed.pdf"</p> <p>Moreover the CME has exhaustively checked the UNFCCC database confirming Sol del Norte Photovoltaic Power Plant Project is not registered as an individual CDM project and is not part of another registered PoA</p> <p>Please see http://cdm.unfccc.int/Projects/projsearch.html</p>
<p>DOE Assessment #1 (validators)</p>	<p>In inclusion agreement, it is found clearly stated that the CPA will not belong to any other PoA or other registered CDM project activity.</p> <p>CL is closed.</p>
<p>Conclusion Tick the appropriate checkbox</p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	CL-8
<p>Classification</p>	<p><input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR</p>
<p>Description of finding (Validators)</p>	<p>In order to demonstrate the starting date, the CPA operator shall provide documented evidence in line with the Glossary of CDM term.</p>
<p>Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)</p>	<p>Clarification has been provided.</p> <p>The proposed project starting date has been changed to 31/05/2013 as an estimated date of financial closure. As the financial closure still does not happened, evidence does not exist, but it will be provided in the future if required. However a signed statement including the expected project start date from the CPA implementer is provided.</p> <p>Please see file "SD62 Fotovoltaica Sol del Norte Ltda. Statement signed.pdf"</p> <p>In addition the following changes have been made:</p> <p>As the starting date of construction of the Sol del Norte Photovoltaic Power Plant Project will take place on June 2013, and the construction activities of the solar facility will take 7 months, the expected commissioning date will be the 31st of December 2013. The starting date of the crediting period has been amended in section A.4.3.1 to 31/12/2013. All the relevant tables in the SSC-CPA-DD have been amended accordingly.</p> <p>Please see files:</p> <p>"SD67 Gantt Chart 8MW Sol del Norte Photovoltaic Power Plant.xlsx" and "SD57 Environmental Impact Declaration, chapter 2"</p>

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Finding	CL-8
DOE Assessment #1 (validators)	Date of financial closure can not be a start date for this CPA. PP is required to take the appropriate start date for the proposed CPA as per definition provided in "Glossary of CDM term" EB 70 Annex 07. CL is open.
Corrective Action # 2	Correction has been made in section A.2 as per EB70 Annex 7 (Version 07.0). "Glossary of CDM term". The project start date is expected to be on the 30/05/2013 coincident with the notice to proceed under the EPC Agreement. As the EPC agreement has not been signed yet, evidence does not exist, but it will be provided in the future if required. Please see "SD88 Implementation Schedule Sol del Norte.pdf"
DOE Assessment # 2	An appropriate start date for the proposed CPA as per definition provided in "Glossary of CDM term" EB 70 Annex 07 has been provided in the revised CPA. For supporting the same, a statement from the CPA Implementer has been submitted. CL is closed.
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-9
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	The CPA implementer must provide a contract of services with the CME, as supporting evidence for criteria 13.
Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)	An appropriate evidence has been provided. The Inclusion Agreement signed between the CME and the CPA implanter has been provided Please see file "SD61 Inclusion Agreement Signed.pdf"
DOE Assessment #1 (validators)	Inclusion agreement signed on 30/10/2012 between CME and CPA implementer. CL is closed.
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CL-10
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR
Description of finding (Validators)	For the grid emission factor calculations, the years 2008, 2009 and 2010 have been considered as the most recent data available at the time of submission of the PoA-DD to the DOE for validation. However, on the official website of the Northern Interconnected System, data of 2011 is available. Please clarify.

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Finding	CL-10
<p>Corrective Action #1 (PP shall write a detailed and clear corrective action as per finding)</p>	<p>Clarification has been provided.</p> <p>The grid emission factor for the SING has been updated as per the most recent information available. For the grid emission factor calculations, the years 2009, 2010 and 2011 have been considered as the most recent data available. The new emission factor has been changed to 0,7849</p> <p>Please see file "SD9 EF SING 2011 -2009 v1.1.xlsx"</p> <p>As a consequence of having a new emission factor the emission reductions of the project are estimated now to be an average of 18,055 t CO₂e per year for the first crediting period of 7 years</p> <p>Please see file "SD56 CDM ER Fotovoltaica Sol del Norte 8 MW 29 10 2012 v 2.xls"</p> <p>The grid emission factor for the SING has been calculated ex-ante at PoA level, therefore all the formulas, calculations, parameters and supporting evidence have been provided at PoA level. Please see sections E.6.2; E.6.3 and annex 3 of the SSC-PoA-DD.</p> <p>All the relevant tables in the SSC-CPA-DD have been amended accordingly.</p> <p>In addition footnote 55 has been included in section B 5.2</p>
<p>DOE Assessment #1 (validators)</p>	<p>For the grid emission factor calculation, 2011 data is found included in the revised emission factor calculation spread sheet as well CPA-DD version 1.1 and acceptable to validation team.</p> <p>CL is closed.</p>
<p>Corrective Action # 2</p>	<p>The grid emission factor for the SING has been updated as new information is available. For the grid emission factor calculations, the years 2009, 2010 and 2011 have been considered as the most recent data available. The new emission factor has been changed from 0,7849 t CO₂/MWh to 0.7865 t CO₂/MWh. As a consequence of having a new emission factor for the SING, the emission reductions from the proposed CPA have been modified. The SSC CPA DD and the ER spreadsheet has been amended accordingly.</p> <p>Please see "SD5 EF SING 2011 -2009 v.1.2.xlsx and SD56 CDM ER Fotovoltaica Sol del Norte 8 MW 29 10 2012 v 3.xls"</p>
<p>DOE Assessment # 2</p>	<p>The updated grid emission factor for the SING has been provided and the emission reductions have been amended in the revised CPA.</p>
<p>Conclusion Tick the appropriate checkbox</p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	CL-11
<p>Classification</p>	<p><input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR</p>
<p>Description of finding (Validators)</p>	<p>The PP is requested to provide, in a clear and transparent manner, the values of parameters used for emission reduction calculations in section B.5.2 of the CPA-DD.</p>

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Finding	CL-11
<p>Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i></p>	<p>Clarification has been provided.</p> <p>Section B.5.2. of the SSC-CPA-DD has been amended in order to provide in a clear and transparent manner the values of the parameters used for emission reduction calculations. An emission reductions calculation spreadsheet has been provided to the DOE:</p> <p>Please see file "SD56 CDM ER Fotovoltaica Sol del Norte 8 MW 29 10 2012 v 2.xlsx"</p> <p>The grid emission factor for the SING has been calculated ex-ante at PoA level.</p> <p>The values of parameters used for emission reduction calculations have been provided in a clear and transparent manner in the SSC-PoA-DD. Please see sections E.6.2; E.6.3 and annex 3 of the SSC-PoA-DD.</p> <p>Please see file "SD9 EF SING 2011 -2009 v1.1.xlsx"</p>
<p>DOE Assessment #1 <i>(validators)</i></p>	<p>Under section B.5.2 of the revised CPA-DD, the value of parameters are clearly and transparently provided.</p> <p>CL 11 is closed.</p>
<p>Conclusion <i>Tick the appropriate checkbox</i></p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

4 Finding	CL-12
<p>Classification</p>	<p><input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR</p>
<p>Description of finding <i>(Validators)</i></p>	<p>The PP must provide a clear and conclusive statement regarding whether or not the stakeholder comments were invited at CPA or PoA level.</p>
<p>Corrective Action #1 <i>(PP shall write a detailed and clear corrective action as per finding)</i></p>	<p>The stakeholder comments were invited at CPA level as is described in section D.1 of the SSC-PoA-DD. However a clear and conclusive statement regarding whether or not the stakeholder comments were invited at CPA or PoA level has been included in section D.1 of the SSC-CPA-DD:</p> <p><i>"Invitation for consultation/comments from local stakeholders has been conducted at CPA level. The stakeholders has been invited to provide their comments which will be received, compiled and due and accounted.</i></p> <p><i>The CME decision to conduct the consultation at CPA level is justified because the proposed CPA Sol del Norte Photovoltaic Power Plant Project will be located in a very specific location in Chile and as a result, the individual circumstances of the Sol del Norte Photovoltaic Power Plant Project may affect specifically th communities in the area of the CPA"</i></p> <p>Note: The CPA template has been amended as per the changes in the SSC-PoA-DD and the SSC-CPA-DD.</p>

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4 Finding	CL-12
DOE Assessment #1 (validators)	<p>In section D.1 of the revised CPA DD, it is clarified that the stakeholders consultation was done at CPA level, which is found inline with the PoA-DD.</p> <p>However, the evidence for invitation through newspaper dated 06/03/2012 is not found authentic. The copy provided shall be the copy of newspaper entitled with date and name of the newspaper.</p> <p>CL is open.</p>
Corrective Action # 2	<p>The meeting was announced in local newspapers El Mercurio and La Estrella de Antofagasta on 03/03/2012. The evidence for invitation through newspaper dated on 03/03/2012 is authentic. Copies of the newspaper showing its title, date and name of the newspaper.</p> <p>The documentation was already provided to the DOE.</p> <p>Please see files "SD28 La Estrella newspaper advertisement.pdf and SD51 El Mercurio newspaper advertisement.pdf"</p> <p>No announcement in local newspapers was made on 06/03/2012</p> <p>In addition the format of the date has been amended and provided in DD/MM/YYYY, in section D.1 and throughout the entire SSC CPA DD</p>
DOE Assessment # 2	<p>Authentic evidence for invitation through newspaper on 03/03/2012 has been provided. A copy of the newspaper entitled with date and name of the newspaper has been submitted as supporting document.</p> <p>CL is closed.</p>
<p>Conclusion</p> <p><i>Tick the appropriate checkbox</i></p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

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APPENDIX B

CERTIFICATE OF COMPETENCE

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Prakash Kumar Mishra


is hereby certified as a

Qualified CDM Lead Assessor

with Carbon Check (Pty) Ltd, under the regulations of the UNFCCC and Carbon Check's qualification criteria, in the following Technical Area/s:

1.2

Awarded: 04 December 2011



Chief Executive Officer
Mr Adam Simcock



Gaurav Sharma

is hereby certified as a

Qualified CDM Assessor

with Carbon Check (Pty) Ltd, under the regulations of the UNFCCC in the following Technical Area:

1.2

Awarded: 31 August 2012



Chief Compliance Officer
Mr Priyesh Ramlall



Stephanie Chrichton

is hereby certified as a

Qualified CDM Assessor

with Carbon Check (Pty) Ltd, under the regulations of the UNFCCC and Carbon Check's qualification criteria, in the following Technical Area/s:

1.2, 13.2

Awarded: 22 August 2011



Chief Executive Officer
Mr Adam Simcock

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