Validation report form for post-registration changes for CDM project activities

(Version 02.0)

Complete this form in accordance with the "Attachment: Instructions for filling out the validation report form for post-registration changes for CDM project activities" at the end of this form.

VALIDATION REPORT ON POST-REGISTRATION CHANGES (PRCs)	
Title and reference number of the project activity	30MW Solar PV - Monte Plata UNFCCC ID: 8530 TN P-No. : 8000470719 –17/098
Process track	☒ Prior approval ☐ Issuance ☐ Renewal of crediting period
Version number of the validation report on PRCs	01
Completion date of the validation report on PRCs	28/07/2018
Type(s) of PRCs	☐ Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline ☒ Corrections ☒ Changes to the start date of the crediting period ☐ Inclusion of a monitoring plan ☐ Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools ☒ Changes to the project design ☐ Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	6
Project participant(s)	Electronic J.R.C., S.R.L - Dominican Republic Foundation myclimate – The Climate Protection Partnership - Switzerland Unido Wind Service GmbH - United Kingdom of Great Britain and Northern Ireland
Host Party	Dominican Republic
Applied methodologies and standardized baselines	ACM002, Consolidated baseline methodology for grid-connected electricity generation from renewable sources, version 17
Mandatory sectoral scopes linked to the	Scope: 1 / Technical Area: 1.2

applied methodology	
Conditional sectoral scopes linked to the applied methodologies	Scope: n.a. / Technical Area: n.a.
Name and UNFCCC reference number of the DOE	TÜV NORD CERT GmbH; E-0022
Name, position and signature of the approver of the validation report on PRCs	 Stefan Winter Final Approval

SECTION A. Executive summary

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

Table 2-1: Project Characteristics

Item	Data	
Project title	30MW Solar PV – Monte Plata	
Project type	☒ Standard	☐ PoA
Project size	☒ Large Scale	☐ Small Scale
Technical Area(s)	1.2: Renewables	
Location	Cruce de Boronga, Monte Plata, Dominican Republic	
Crediting period	☐ Renewable Crediting Period (7 y) ☒ Fixed Crediting Period (10 y)	

The Project is a 60 MW solar power project, expected to produce 89,454 MWh of electricity to the National Electric Interconnected System ("**SENI**" by its name in Spanish: "Sistema Eléctrico Nacional Interconectado per year. The minimum expected operational lifetime is 20 years. The project was originally planned for 30 MW of capacity which at the time of the site visit is already implemented, nonetheless an addition in the capacity was implemented. The addition consists of 30 MW. The project considers the installation of 270,000 PV GES modules. At the time of the 1st verification the project includes 30 MW installed with PV modules of 245, 250, 255 and 260 W. Depending of the modules availability in the market the modules to be installed for the addition and future replacements could vary. The project considered 2000 inverters Huawei and 44 medium voltage blocks interconnected to the substation ABB. The total area of the project is 1,080,779 m^2.

The details of the project location are given in table 2-2:

Table 2-2: Project Location

No.	Project Location
Host Country	Dominican Republic
Region:	Cruce de Boronga Sector
Project location address:	No. 41, 41 - Sub – 24, 41 – Sub - 44, D.C No 64 – B, all of the part of the Distrito Catastral. No. 64
Latitude:	Monte Plata Original: 18º49'.0919"N Monte Plata Addition: 18º49'.28.10"N
Longitude:	Monte Plata Original: 69 47'22.66"O Monte Plata Addition: 69 47'22.66"O

The key parameters for the project are given in table 2-3:

Table 2-3: Technical data of the plant

Parameter	Unit	Value		
		Original	Addition	Total
Total Power	MW	30	30	60
PV modules area	m^2	221,100	231,150	452,250
Project area	m^2	472,212.5	608,567.06	1,080,779.56
Rated Power per PV module	W	245-260		
No. of PV modules	-	132,000	138,000	270,000
No. of Inverters	-	2000		

SECTION B. Validation team, technical reviewer and approver

On the basis of a competence analysis and individual availabilities an assessment team, consistent of one team leader and 1 additional team members, were appointed. Furthermore also the personnel for the technical review and the final approval were determined.

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

B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team leader	EI	Quireza Campos	Oliver	TN México	x	x	x	x
2.	Team member	EI	Mitre	Raul	TN México	x	x	x	x

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

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.*	Technical reviewer	IR	Christina	Stöhr	TÜV NORD CERT
2.	Technical reviewer/ Approver	IR	Winter	Stefan	TÜV NORD CERT

*Until 2017/10/11

SECTION C. Means of validation

C.1. Desk/document review

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

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

In this case all activities were carried out as part of the 1st verification of this project activity.

The registered as well as the revised PDD and supporting background documents related to the project design and the post registration changes were reviewed.
As far as required the assessment team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data.

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

C.2. On-site inspection

Duration of on-site inspection: 05/07/2017 to 07/07/2017				
No.	**Activity performed on-site**	**Site location**	**Date**	**Team member**
1.	Review of legal documents, design documents and project information	Santo Domingo Central Office	05/07/2017	Raul Mitre Oliver Quireza
2.	On site visit, interview of employees, team leader and check of installed equipment	Monte Plata project site	06/07/2017	Raul Mitre Oliver Quireza
3.	Continuing of document check	Santo Domingo Central Office	05/07/2017	Raul Mitre Oliver Quireza

C.3. Interviews

No.	**Interviewee**			**Date**	**Subject**	**Team member**
	Last name	**First name**	**Affiliation**			
1.	Leon	Paul	My Climate	2017/07/05	PRC	Raul Mitre Oliver Quireza
2.	Bisono	Arnaldo	Soventix	2017/07/05	PRC	Raul Mitre Oliver Quireza
3.	Alfau	Mariel	Soventix	2017/07/05	PRC	Raul Mitre Oliver Quireza
4.	Alvarez	Jaime	Soventix	2017/07/05	PRC	Raul Mitre Oliver Quireza
5.	Arcia	Miriam	EMPACA	2017/07/05	PRC	Raul Mitre Oliver Quireza
6.	Asban	Santo	Soventix	2017/07/07	Verification	Raul Mitre Oliver Quireza
7.	Estebez	Noel	Soventix	2017/07/07	Verification	Raul Mitre Oliver Quireza
8.	Cruz	Luis Alberto	Soventix	2017/07/07	Verification	Raul Mitre Oliver Quireza
9.	Asban	Santo	Soventix	2017/07/07	Verification	Raul Mitre Oliver Quireza

C.4. Sampling approach

No sampling approach has been used by the PP to determine any parameter or information for validation. Further DOE also did not apply a sampling approach during their assessment for this post registration change.

C.5. Clarification requests, corrective action requests and forward action requests raised

Areas of validation findings	**No. of CL**	**No. of CAR**	**No. of FAR**
Compliance with PDD form	-	-	-
Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline	-	-	-
Corrections	-	1	-
Changes to the start date of the crediting period	-	-	-
Inclusion of a monitoring plan	-	-	-
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools	-	-	-
Changes to the project design	-	3	-
Changes specific to afforestation and reforestation project	-	-	-

activities			
Others (please specify)	-	-	-
Total	0	4	0

SECTION D. Validation findings

D.1. Compliance with PDD form

Means of validation	The project participants used a later version of the PDD form for the revised PDD than the version of the PDD form of the registered PDD. By means of checking updated PDD with the latest applicable and available PDD template form, the DOE confirms that the information transferred to the later version of the PDD form is materially the same as the information in the registered PDD besides those changes highlighted and assessed in this report.
Findings	N/A
Conclusion	The updated PDD is in line with the latest applicable PDD form.

D.2. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

Not applicable

D.3. Corrections

Means of validation	**Description of post registration change**			
	Start Date: Please provide the start date of the change	01/10/2017	**End Date:** Please provide the end date of the change, if applicable	Permanent Change
	Description: Please give a detailed description of the change(s)	Change the project activity name to reflect the proposed change in the installed capacity. Actual name: 30MW Solar PV – Monte Plata Proposed new name: **60**MW Solar PV – Monte Plata The Lettes of approval "LoA" from the respective DNAs have been updated by the PPs and approved by the DNAs, so that the project is in accordance with the paragraph 107 of the CDM PS version 01 and paragraph 140 of the CDM VVS version 01.		
	Assessment of post registration change – Corrections			
	Accuracy: Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.	Not applicable as this is an editorial change. The name in LoAs is consistent with PDD. Further assessment w.r.t. the LoAs please refer to finding CAR 04.		
	Conservative-ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	Not applicable as this is an editorial change		
	Appendix 1 PS: Check if the changes fall under one of the scenarios of appendix 1 of the PS.	Not applicable as this is an editorial change		
Findings	CAR 04			

Conclusion	Based on the above stated the corrections to the registered PDD are in accordance with applicable validation requirements related to the corrections in the VVS.		
	Revised PDD		
	Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	☒	The changes have correctly been reflected in the revised PDD.
		☐	A revision of the PDD is not required (in case of temp. changes).
		☒	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
	Prior Approval		
	Prior approval: Assess whether the change requires prior approval of the board	☐	The post registration change requires prior approval
		☒	The post registration change does not require prior approval

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

Means of validation	**Description of post registration change**			
	Start Date: Please provide the registered start date of the CP.	01/06/2013	**Revised Start Date:** Please provide the proposed revised start date of the CP	31/05/2015
	Description: Please give a detailed description /reasoning of the requested revision of CP starting date:	The following reason are given by the PP which delayed the start up of the project activity: - Change of two project owners of the project activity - Delays in approval of legal documentation - Addendums in the PPA		
	LDC: Please check if the host country is an LDC. In case of LDCs the timeframes of the below defined categories are to be doubled.	☐	The host country is a LDC	
		☒	The host country is **not** a LDC	
	Categories: Please check under which category - as defined below – the requested changes fall. In case of LDCs the timeframes are to be doubled.	☐	Category A: > ± 2 a	
		☐	Category B: < ± 1 a; not before registration date	
		☒	Category C: (SD_{old} ± 1 a) ≤ SD_{new} ≤ (SD_{old} ± 2 a)	
	Assessment of post registration change			
	Cat. A: > ± 2 a Changes of start date of more than 2 years (4 years for LDCs) are not allowed as per the PS.	☐	The change is a cat. A case. The change of the CP start date as requested by the PP is not allowed as per the PS. Thus a corresponding CAR has been raised.	
	Cat. B: < ± 1 a Prior notification is not required if changes of less than 1 year are requested. The CP start date shall not be earlier than the date of the project registration.	☐	The change is a cat. B case. The proposed new CP start date differs less than ± 1 year (2 years in case of LDCs) from the registered CP start date. Furthermore it is confirmed that the proposed new CP start date is not before the registration date of the PA. Thus a prior approval is not required.	
	Cat. B: ± 1a < SD < ± 2a Check whether the project falls under this	☒	The change is a cat. C case.	
		☒	The PPs have provided the assessment team with a sufficient demonstration regarding (i) potential effects on the baseline and (ii) progress made to start the	

	category. If yes prior approval is required. The assessment team shall assess on the basis of a demonstration by the PPs whether the conservativeness of the baseline is not affected by changes that have occurred in-between. Further it has to be assessed, whether substantive progress has been made by the PPs to start the project activity.		project.
		☒	On the basis of a detailed analysis of the PP´s demonstration as well as background investigation (incl. on-site inspection) the assessment team confirms that no changes have occurred to the PA which would result in a less conservative baseline. This assessment is based on the following consideration: The baseline remains the same. In the absence of the project activity, the energy would remain been generated by almost the same energy matrix based on fossil fuel. For tis purpose the PP has calculated the EF/EF/ with updated information resulting in a higher emission factor. Hence the baseline scenario would be even more conservative. Concluding the change would not result in a less conservative baseline.
		☒	On the basis of a detailed analysis of the PP´s demonstration as well as background investigation (incl. on-site inspection) the assessment team confirms that substantive progress has been made by the PPs to start the PA. This assessment is based on the following considerations: The audit team visited the project site and assessed that the project activity is already implemented and operational.
Findings	N/A		
Conclusion	Based on the assessment above the changes to the start date of the crediting period are in accordance with applicable validation requirements related to the changes to the start date of the crediting period in the VVS.		

Revised PDD		
Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	☒	The changes have correctly been reflected in the revised PDD.
	☐	A revision of the PDD is not required (in case of temp. changes).
	☒	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
Prior Approval		
Prior approval: Assess whether the change requires prior approval of the board	☒	The post registration change requires prior approval
	☐	The post registration change does not require prior approval

D.5. Inclusion of a monitoring plan

Not applicable

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools

Not applicable

D.7. Changes to the project design

Means of validation	Type of change(s):	☒	*Changes to the project design*	
		☐	*Changes to the PoA design*	
	Description of post registration change			
	Start Date: Please provide the start date of the change	01/10/2017	**End Date:** Please provide the end date of the change, if applicable	Permanent change
	Description: Please give a detailed description of the change(s)	Proposed change in the installed capacity from 30 MW to 60 MW.		
	Applicability and application of the Approved Baseline Methodology			
	Description: Please give a detailed description on how the changes affect the applicability and application of the approved Baseline Methodology. Check if the actual changes would adversely affect the conclusions during validation.	As the proposed changes only refer to the installed capacity and the methodology does not restrict the capacity of a project activity, the change does not affect the applicability of the approved baseline methodology. Concluding the project activity still meets all applicability conditions of the applied methodology. The information checked is an accurate reflection of actual project information considering: - ***When the changes occurred:*** the changes have not occurred yet. The proposed changes are estimated to be operational from 2017-10-01 onwards. At the time when this assessment was finished and also during site visit of the project activity, it was evidenced that construction of the project activity expansion has not yet taken place. - ***Reasons for those changes taking place:*** according to the evidence/cdeee/ provided by PP, the government of Domincan Republic gave facilities, regarding better price conditions for project developers, the opportunity to develop new renewal energy projects or expand their actual capacities. This is the motivation to expand the installed capacity of the project activity. - ***Whether the changes would have been known prior to registration of the project activity:*** yes, the substation which is already installed and operational considers the extension of actual installed capacity. Hence further investment it is not necessary on this matter. This means that the extension had been considered when the project activity was designed. Nevertheless commercial conditions at the time of validation were not as attractive as today.	

	- ***How the changes would impact the overall operation/ability of the project activity to deliver emission reductions:*** the proposed changes will increase the energy generation capacity. Therefore the emission reduction through clean energy will also increase accordingly. The proposed change will not lead to a reduction in the accuracy of the ER calculation. As part of the change on the installed capacity, the PP has updated/included the following information in the PDD which is part of the change to the project design: a) Section A.1: Update of the project description; b) Section A.2.4: inclusion of new the coordinates; c) Section A.3: Update the number and type of PV modules to be installed and the energy to be generated; d) Section B.5: Update the information related to the project milestones, the method to demonstrate the first of its kind following the methodology tool Additionality of first-of-its-kind project activity (Version 03.0) e) Section B.6.3: Update the value of parameter *EG*; f) Section B.6.4: Update summary of emission reductions; g) Section B.7.1: Update value of parameter $EG_{facility}$; h) Section B.8: Update the date of completition i) Appendix 6: Update summary of post registration changes;
Additionality assessment	
Description: Please give a detailed description re-assessment of additionality, Check whether the actual changes would adversely affect the conclusions during validation. If required please make use of the assessment tables in the annex.	**Methodology:** In the original project documentation the additionality was justified through barrier analysis in line with the requirements of ACM0002 ver. 13 and the additionality tool. **Decisive Route of Addtionality Justification** During the original validation of the project the additionality was justified on the basis of a first-of-its-kind. In the registered PDD, no barriers were identified that could prevent the implementation of the project. **Re-Assessment of Additionality** During this validation regarding changes, a revised version of the original validated PDD was provided by the PP and considered by the validation team. The modifications mainly reflect the design changes done. The additionality consideriation keeps the same. **Result of Additionality Re-Assessement** The review of the revised project design documentation and additional documents related to changes to the project design; the subsequent background investigation and follow-up interviews have provided TÜV NORD JI/CDM CP with sufficient evidences for an assessment. The first-of-its-kind status of the project activity remains the same, as the conditions that were assessed during validation phase. Furthermore it was evidenced during site visit and based on public available information/first/ regarding

			the generation projects connected to the national grid, that the project activity still remains first of its kind in the host country. Moreover the verification team confirms that the first-of-its-kind status applied for additionality justification is not affected by the increase in the installed capacity from 30 MW to 60 MW. Thus the validation team has arrived at the conclusion that the additionality of the project is not affected by the technical changes to the project design in comparison to the originally validated and registered one.
	Scale of the Project activity		
	Description: Please give a detailed regarding the effect of the changes on the scale of the PA (i.e. LSC or SSC).		This is a large scale project activity; therefore this criterion is not applicable in this case.
	Revised PDD		
	Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD. In this context pl. refer to - Changes in the effect-tive output capacity. - Addition of compo-nents or extension of technology - In case of multiple site projects: Removal or addition of sites - Operational parameters under the control of PPs differing from expected parame-ters - Changes to the baseline Meth (e.g. addition of a new Meth or change of the BL scenario. - Effects with regards to B, C and D above incl. compliance with the MP and level of accuracy and completeness of monitoring.	☒	The post registration change has correctly been reflected in the revised PDD. This assessment is based on the following considerations: - The installed capacity has been changed from 30 MW to 60 MW. - No changes to the baseline methodology and the baseline scenario have been observed. - There are no effects with regard to the applicability and application of the approved baseline methodology. - No effects with regard to the additionality of the project activity and the scale of the project activity have been identified. - The changes to the project design are in compliance with the Monitoring Plan. - The level of accuracy and completeness of monitoring is considered as plausible.
Findings	**CAR 01, CAR 02, CAR 03**		
Conclusion	Based on the above the changes to the project design of a registered project activity are in accordance with applicable validation requirements related to the changes to the project design of a registered project activity in the VVS.		
	Traceability: Check if the PPs have provided a revised PDD in both clean and track-change version.	☒	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
	Prior approval:	☐	The changes do not raise concerns with respect to aspects outlined in the PS:

	Assess whether the change requires prior approval of the board		a. applicability and application of the Approved Baseline Methodology under which the project activity has been registered. b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required.
		☒	The post registration change requires prior approval.

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

Not applicable

SECTION E. Internal quality control

Before submission of the final assessment report a technical review is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the verification team and thus not involved in the decision making process up to the technical review.
As a result of the technical review process the assessment opinion as prepared by the validation team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

SECTION F. Validation opinion

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

Type of Change occured		*Total No. of changes*	*No. of changes which require prior approval*
☐	Temporary deviations from the MP	-	-
☐	Temporary deviations from the MM	-	-
☒	Corrections that do not affect the project	1	-
☒	Change to the start date of the crediting p.	1	1
☐	Permanent changes from the MP	-	-
☐	Permanent changes from the MM	-	-
☒	Design changes to the project activity / PoA	1	1
☐	Changes specific to AR projects	-	-

The above listed post registration changes require prior approval of the Board.

Essen, 2018/07/28

Oliver Quireza
TÜV NORD JI/CDM CP
Assessment Team Leader

Appendix 1. Abbreviations

Abbreviations	Full texts
CA	Corrective Action / Clarification Action
CAR	Corrective Action Request
CDEEE	Dominican Corporation of State Electrical Companies - *Corporacion Dominicana de Empresas Electrcias Estatales*
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO_2	Carbon dioxide
CO_{2e}	Carbon dioxide equivalent
CP	Certification Program
DNA	Designated National Authority
EB	CDM Executive Board
FOEN	Federal Offcie for the Environment (Climate Division)
GHG	Greenhouse gas(es)
MIMARENA	Environment and National Ressources Ministry - *Ministerio de Medio Ambiente y Recursos Naturales*
OC	Coordinator Organism of the National Electricity Interconnected System - *Organismo Coordinador del Sistema Eléctrico Nacional Interconectado de la Republica Dominicana*
PA	Project activity
PDD	Project Design Document
PoA	Programme of Activities
PRC	Post Registration Changes
QC/QA	Quality control/Quality assurance
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

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

Mr. Oliver Quireza Campos

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification)	2021-05-28
VCS / ISO 14064-2	Lead Assessor	2021-05-28

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.1	Thermal energy generation
1.2	Renewables
13.1	Solid waste and wastewater
13.2	Manure

337 - Rev. 5, Date: 2018-08-17

337_S01-VA060-F20_2018-08-17_rev5.doc S01-VA060-F20 rev3 / 2012-10-25

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

Mr. Raul Gonzalez Mitre

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2021-06-27
VCS / ISO 14064-2	Senior Assessor	2021-06-27

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
13.1	Solid waste and wastewater

082 - Rev. 8, Date: 2018-08-09

082_S01-VA060-F20_2018-08-09_rev8.doc S01-VA060-F20 rev3 / 2012-10-25

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

Mr. Stefan Winter

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2020-07-27
VCS	Senior Assessor (Validation, Verification) Technical Reviewer	2020-07-27

Authorization status for technical areas within sectoral scopes:

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

163 – Rev. 5, Date: 2017-07-20

163_S01-VA060-F20_2017-07-20_rev5 S01-VA060-F20 rev3 / 2012-10-25

Appendix 3. Documents reviewed or referenced

No.	Reference	Author	Title	References to the document	Provider
1	**/ACM02/**	UNFCCC	Consolidated baseline methodology for grid-connected electricity generation from renewable sources	https://cdm.unfccc.int/filestorage/D/Y/P/DYPFI935XBG274NWH6O8CM1KEZR0VU/EB67_repan13_ACM0002_ver13.0.0.pdf?t=WmV8b3NtZTJvfDDihfVg4VSYjuvc30rRMx3C	Others
2	**/TA/**	UNFCCC	Tool for the demonstration and assessment of additionality (Ver. 07.0.0)	https://cdm.unfccc.int/Reference/tools/index.html	Others
3	**/TF/**	UNFCCC	Additionality of first-of-its-kind project activities (Ver. 03.0)	https://cdm.unfccc.int/Reference/tools/index.html	Others
4	**/PDD-T/**	UNFCCC	Project Design Document Form (F-CDM_PDD) (Version 10.1)	https://cdm.unfccc.int/Reference/PDDs_Forms/index.html	Others
5	**/VVS/**	UNFCCC	CDM Validation and Verification Standard (Version 1)	http://cdm.unfccc.int/Reference/Standards/index.html	Others
6	**/PS/**	UNFCCC	CDM project standard (Version 1)	http://cdm.unfccc.int/Reference/Standards/index.html	Others
7	**/CPM/**	DOE	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)		Others
8	**/IPCC/**	IPCC	1. 1996 IPCC Guidelines for National Greenhouse Gas Inventories: work book 2. 2006 IPCC Guidelines for National Greenhouse Gas Inventories: work book	http://www.ipcc-nggip.iges.or.jp/public/gl/invs1.html http://www.ipcc-nggip.iges.or.jp/public/2006gl/index.html	Others
9	**/KP/**		Kyoto Protocol (1997)		Others
10	**/MA/**		Decision 3/CMP. 1 (Marrakesh – Accords)		Others
11	**/PDD1/**	PP	Project Design Document named "30MW Solar PV – Monte Plata" , version 4, registered 2012/12/03		PP
12	**/PDD2/**	PP	• Revised PDD reflecting the intended / implemented changes, version 5, 2017/07/17. • Revised PDD reflecting the intended / implemented changes, version 6, 2017/08/31. • Revised PDD reflecting the intended / implemented changes, version 6, 2018/07/24.		PP
14	**/VAL/**	PP	Validation Report for CDM project "30MW Solar PV – Monte Plata" version 1.4, dated 2012-11-26		PP
15	**/VER/**	PP	Documents of previous verifications (Monitoring report, verification report, ER calculation sheet)		PP
16	**/cdeee/**	/cdeee/	1. Letter by requiring special power of attoney to define general conditions for all renewal energy projects and where Monte Plata is included to enhance addtitional 30 MW, 2015/11/23 issued by CDEEE 2. Special power 121-15 given by the President of Dominican Republic	-	PP

No.	Reference	Author	Title	References to the document	Provider
			given to CDEEE which is stated general conditions for renewal energy projects, 2015/11/27.		
17	**/AL/**	MIMARENA	1. Environmental License Num. 0187-11 given by MIMARENA to Electronic J.R.C., S.R.L. for the project Monte Plata Energia Solar 30MW dated on 2011/03/29 Valid for 5 years (valid till 2016/03/28) 2. Modifed Environmental License Num. 0187-11 given by MIMARENA to Electronic J.R.C., S.R.L. for the project Monte Plata Energia Solar from 30MW to 59.8 MW dated on 2013/07/17 Valid for 3 years (valid till 2016/07/16) 3. Renewed Environmental License Num. 0187-11 given by MIMARENA to Electronic J.R.C., S.R.L. for the project Monte Plata Energia Solar from 60 MW dated on 2016/01/20 Valid for 5 years (valid till 2021/01/19)	-	PP
18	**/PPA/**	CDEEE	1. Power Purchase Agreement No. 219/2011 between CDEEE and Electronics J.R.C., S.R.L. and signed on 2011/10/24 (valid for 20 years) considering 30 MW. 2. 1st addendum of the Power Purchase Agreement No. 219/2011 signed on 2013/03/13 (asking for an extension of the start day) 3. 2nd addendum of the Power Purchase Agreement No. 219/2011 signed on 2015/05/19 (asking for an additional extension of the start day)	-	PP
19	**/EF/**	PP	EF calculation report considering 2013-2015 (used just as a reference)	-	PP
20	**/first/**		Annual Report 2016 (page 18 & 19) issued by OC (evidence that Monte Plata still is a first-of-its-kind project)	http://www.oc.org.do/INFORMES/Administrativos/InformeAnual.aspx?EntryId=87659	PP
21	**/LoA/**	DNAs	• LoA from Environmental Agency of UK for project 60MW Solar PV –Monte Plata, 21/06/2018. • LoA from Presidency of Dominican Republic, for project 60MW Solar PV –Monte Plata, 11/05/2018. • LoA from FOEN for project 60 MW Solar PV – Monte Plata, 19/12/2017.		PP

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

Table 1. CLs from this validation

N/A

Table 2. CARs from this validation

CAR ID	01	**Section no.**	A	**Date:** 05/07/2017
Description of CAR				
The following information shall be corrected in the updated PDD: 1. Please update the information only related to the applied change in design of the project activity. This means section B.1, B.2, B.3, B.4, B.6.1, B.6.2, B.7.2, B.7.3, section C (with excpetion of the start date of the Crediting Period – section C.2.2-), section D and section E shall not be touched. 2. Missing PP Think Carbon is missing in front page, section A.4 and appendix 1. 3. Please erase last attachement related to instructions for filling out the PDD				
Project participant response				**Date:** 06/07/2017
1. The information of the project was updated in the section requested. 2. Think Carbon is included in the entire PDD as project participant. 3. The section related to instructions was deleted.				
Documentation provided by project participant				
Revised PDD dated on 07/07/2017 with version 5				
DOE assessment				**Date:** 07/07/2017
The revised PDD was checked. All issue were corrected. Information exclusively related to the PRC was updated. Finding closed.				

CAR ID	02	**Section no.**	ER	**Date:** 14/07/2017
the values for year 2025 represent a whole year not just Jan – May. Correction is requested				
Project participant response				**Date:** 17/07/2017
The correction has been made for the year 2025				
Documentation provided by project participant				
ER calculation version 2, PDD version 5 dated 17/07/2017				
DOE assessment				**Date:** 01/08/2017
The corrected ER values for the whole monitoring period are correctly as per registered PDD and applicable methodology. Finding closed.				

CAR ID	03	**Section no.**	B.7.1	**Date:** 14/07/2017
Description of CAR				
The value of EGfacility differs from the one in the registered PDD. Originally it was 44,727 MWh now it is 31,936 MWh, however capacity has increased. That´s contradictory.				
Project participant response				**Date:** 17/07/2017
The value of the parameter EG facility has been maintained (44,727) as set in the emission reduction excel file. In the section additional comment is added a paragraph 'The value applied is for the first 30MW since June 2016 until the start of operation of the 60MW (to be expected in 2018) and will be twice when the 60 MW will be in full operation', as written also for the baseline emissions in section B.6.3				
Documentation provided by project participant				
PDD version 5/17/07/2017				
DOE assessment				**Date:** 01/08/2017
The applied ex ante value is correct as it is in line with the registered PDD. The value will doubled once the installed capacity is increased. The related ex-ante ER spreadsheet considers the capacity increase and EFfacility value accordingly. Finding closed.				

CAR ID	04	Section no.	B.7.1	Date: 22/11/2017
Description of CAR				
The DOE validated the proposed correction of the project activity title from "30MW Solar PV - Monte Plata" to "60MW Solar PV - Monte Plata", however, it has not confirmed whether the proposed change in the project title has been reflected in the letter of approval (LoA) issued by the host country party and other parties involved in the project activity or not in accordance with the paragraph 107 of the CDM PS version 01 and paragraph 140 of the CDM VVS version 01. Therefore updated LoAs by each party involved are requested.				
Project participant response				**Date:** 24/07/2018
LoAs provided.				
Documentation provided by project participant				
• LoA from Environmental Agency of UK for project 60MW Solar PV –Monte Plata, 21/06/2018. • LoA from Presidency of Dominican Republic, for project 60MW Solar PV –Monte Plata, 11/05/2018. • LoA from FOEN for project 60 MW Solar PV – Monte Plata, 19/12/2017.				
DOE assessment				**Date:** 28/07/2018
As per project documentation, UNFCCC webpage as well as the three letters of approval provided by the PP to the DOE, the DOE can confirm that (a) The Parties are a Party to the Kyoto Protocol; (b) The participation in the CDM project activity is voluntary; (c) In the case of the host Party, the CDM project activity contributes to achieving the sustainable development of the country; (d) It refers to the precise title of the CDM project activity in the PDD being submitted. (e) further, the letters are unconditional with respect to the points (a) to (d) before (f) the project has only one host country (Domenican Republic) (g) the letters have been issued by the corresponding DNA of the related country and is valid for the proposed CDM project activity under validation (h) the DOE has no doubt on the authenticity of the letters received. Finding closed.				

Table 3. FARs from this validation

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
n.a.				
Project participant response				**Date:** DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				**Date:** DD/MM/YYYY

Appendix 5. Assessment of Financial Parameters

Assessment of Financial Parameters (VVS, §§ 99, 100 / in case financial parameters from FSR §101 and §102)

☒	No financial parameters are used for additionality justification
☐	Assessment of all financial parameters see below

Parameter	Value applied	Unit	Source of Information (please indicate document and page)	Reference	DOE ASSESSMENT	
					Correctness of value applied	Comment
				/ /	☐	
				/ /	☐	
				/ /	☐	
				/ /	☐	
				/ /	☐	

Appendix 6. Assessment of Barrier Analysis

Assessment of Barrier Analysis (VVS, §§ 103-106)

☒	No barrier parameters are used for additionality justification
☐	Assessment of barriers see below

Kind of Barrier (invest, tech, other)	Description of Barrier	Evidence used	Assessment of validation team	
			Appropri-ateness of information source	Explanation of final result
			☒	
			☒	
			☒	
			☒	
			☒	