



Validation report form for renewal of crediting period for CDM project activities

(Version 01.0)

Complete this form in accordance with the "Attachment: Instructions for filling out the validation report form for renewal of crediting period for CDM project activities" at the end of this form.

VALIDATION REPORT FOR RENEWAL OF CREDITING PERIOD (RCP)

Title of the project activity	24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka
Reference number of the project activity	1687
Number and duration of the next crediting period	2 nd renewable crediting period 19/6/2016-18/6/2023
Version number of the validation report for RCP	01
Completion date of the validation report for RCP	24 May 2016
Version number of PDD to which this report applies	Version 04, dated 20 May 2016
Project participant(s)	Belgaum Wind Farms Pvt. Ltd.
Host Party	India
Sectoral scope(s), selected methodology(ies), and where applicable, selected standardized baseline(s)	Sectoral Scope: 01 - Energy Industries (renewable - /non renewable sources) Methodology: - ACM0002/Version 16.0, , "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"
Estimated annual average GHG emission reductions or net anthropogenic GHG removals in the next crediting period	54,653 t CO ₂ e
Name of DOE	Perry Johnson Registrars Carbon Emission Services Inc. (PJRCES Inc.)
Name, position and signature of the approver of the validation report for RCP	Bilal Anwar Approver 

SECTION A. Executive summary

>>Belgaum Wind Farms Pvt. Ltd. has commissioned PJRCES Inc to validate the renewal of crediting period of the proposed CDM project activity “24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka (UNFCCC Registration No.: 1687). This report summarises the findings of the validation of the project, performed on the basis of UNFCCC criteria for the CDM, as well as criteria given to provide for consistent project operations, monitoring and reporting. UNFCCC criteria refer to Article 12 of the Kyoto Protocol, the CDM modalities and procedures, and the subsequent decisions by the CDM Executive Board, as well as the host country criteria.

The project proponent proposes to install 24.8 MW wind farm in Gadag Plains, Karnataka. The project activity will displace energy generated through fossil fuel based power plants, contributing to sustainable development and conservation of natural resources through use of wind, a renewable source. The power produced by this activity will be sold to Karnataka Power Transmission Corporation Limited (KPTCL) / Hubli Electricity Supply Company Limited (HESCOM) as per the Power Purchase Agreement (PPA) between them. The project activity proposes to generate ~ 56 million units/annum of clean electricity with utilization of the available wind energy.

The purpose of the validation of renewal of crediting period is to have an independent third party assess the validity of the project baseline that has opted for a renewal of crediting period. In particular, the project's baseline, monitoring plan, and the project's compliance with relevant UNFCCC criteria are validated in order to confirm that the project design, as documented, is sound and reasonable and meets the identified criteria. The validation of baseline is a requirement for all CDM projects seeking renewal of crediting period and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of certified emission reductions (CERs).

The validation scope is defined as an independent and objective review of the project design document (PDD), baseline update, monitoring plan and other relevant documents. The report is based on the assessment of the project design document undertaken through stakeholder consultations, application of standard auditing techniques including but not limited to document reviews, follow-up interviews with project stakeholders, review of the applicable methodology and its underlying formulae and calculations.

In summary, it is PJRCES's opinion that the project activity “24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka” in India, as described in the PDD, version 4.0 of 20 May 2016, meets all relevant UNFCCC requirements for the renewal of crediting period. Hence, PJRCES requests the renewal of the crediting period of the project.

SECTION B. Validation team, technical reviewer and approver**B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader/ Validator.	IR	Sharma	Anjana	PJRCDM (I) Pvt. Ltd.	✓		✓	✓

B.2. Technical reviewer and approver of the validation report for RCP

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	Anwar	Bilal	PJRCES Inc.
2.	Approver	IR	Anwar	Bilal	PJRCES Inc.

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

The PDD and additional background documents related to the project design and baseline were submitted to the validation team for review. The document review in particular includes applicability of selected methodology, baseline determination, monitoring plan, emission reductions calculation. All documentations that were reviewed during the validation can be found in Appendix 3 of this validation report.

C.2. On-site inspection

Duration of on-site inspection: DD/MM/YYYY to DD/MM/YYYY				
No.	Activity performed on-site	Site location	Date	Team member
1.	NA	NA	NA	NA
...				

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Patil	Ramkrishna	EKI Energy Services Ltd.	05 May 2016	1. Applicability of selected methodology 2. Baseline of the project 3. Emission reductions 4. Monitoring plan 5. PDD form.	Anjana Sharma.
...						

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

Area of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	1		
Application of baseline and monitoring methodology and standardized baseline	Nil	Nil	Nil
Validity of original baseline or its update	Nil	Nil	Nil
Estimated GHG emission reductions or net anthropogenic GHG removals	Nil	Nil	Nil
Validity of monitoring plan	Nil	Nil	Nil
Crediting period	Nil	Nil	Nil
Project participants	Nil	Nil	Nil
Others (please specify)	Nil	Nil	Nil
Total	1		

SECTION D. Validation findings**D.1. Compliance with PDD form**

Means of validation	Document review the PDD against the PDD form.
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Findings	By comparing PDD version 03, dated 05 April 2016, PJRCES validation team observed that PP has used the older version of PDD form. This was raised as a CL#01 which was subsequently closed on the submission of PDD version 04, dated 20 May 2016. PJRCES validation team confirms that the revised PDD, version 04, dated 20 May 2016 has been prepared using the latest version 7.0 of CDM-PDD-FORM.
Conclusion	PJRCES considers the project description of the project activity contained in the PDD to be complete and accurate. PJRCES also confirms that the PDD has been completed in accordance with the latest version of PDD with relevant forms and guidance. Apart from the updation of some of the parameters related to ER calculations (as discussed in below sections), the information transferred to the new version of PDD is materially the same as that in the registered PDD.

D.2. Application of baseline and monitoring methodology and standardized baseline

Means of validation	The assessment of the project's compliance with the applicability criteria of ACM0002, version 16.
Findings	1) The project activity is installation of a new grid connected wind power plant at a site where no renewable power plant was operated prior to the implementation of the project activity (Greenfield plant). The generated power is sold to the grid via Karnataka Power Transmission Corporation Limited (KPTCL)/Hubli Energy Supply Company Ltd. (HESCOM). 2) The proposed project activity is an installation of a new grid connected wind power plant. 3) The project does not involve any capacity additions, retrofits or replacements. 4) The project activity is a grid connected wind power project and not a hydro power plant. 5) The project activity is installation of a new grid connected wind power project and does not involve switching from fossil fuel to renewable energy. 6) The project activity is not a biomass fired plant. No Clarification request (CL)/Corrective Action Request (CAR) have been raised in this section.
Conclusion	PJRCES validation team concluded that the project meet all applicability criteria of the methodology ACM0002, version 16.

D.3. Validity of original baseline or its update

Means of validation	According to the Clean Development Mechanism Project Standard (CDM PS), the demonstration of the validity of the original baseline or its update does not require a reassessment of the baseline scenario, but rather an assessment of the GHG emission reductions that would have resulted from that scenario. With reference to the methodology tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period".
Findings	Step 1: Assess the validity of the current baseline for the next crediting period The CDM PS requires assessing the impact of new relevant national and/or sectoral policies and circumstance on the baseline. The validity of the current baseline is assessed using the following sub-steps. Step 1.1: Assess compliance of the current baseline with relevant mandatory national and/or sectoral policies The baseline scenario remains unchanged and is in compliance with all the relevant mandatory national and/or sectoral policies. Electricity generated by fossil fuel based plants still dominates the current electricity supply. Step 1.2: Assess the impact of circumstances There are not new national/sectoral policies or circumstances that could affect the baseline scenario during the renewal of the crediting period. The validation team confirmed that the current baseline identified in the registered PDD is still valid for the second crediting period. The project participant has considered the latest available CO₂ Baseline Database (CEA database, version 11) at the time of requesting renewal of the crediting period for establishing the baseline emission factor, which considers all the new circumstances. Hence, the new circumstances do not have an impact on the baseline emission. This data is published by Central electricity Authority (CEA) on their official website.

	Step 1.3: Assess whether the continuation of the use of current baseline equipment(s) or an investment is the most likely scenario for the crediting period for which renewal is requested In absence of the project activity, similar amount of electricity would have been generated by the grid; hence, this condition is not applicable. Step 1.4: Assessment of the validity of the data and parameters According to the requirement of the "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period", if any of the data and parameters that were only determined at the start of the crediting period and not monitored during the crediting period and not valid anymore, the current baseline needs to be updated for the subsequent crediting period. In the context of the present project activity, the emission factor has been updated along with the approach used to calculate the emission factor. Step 2: Update the current baseline and the data and parameters Step 2.1: Update the current baseline The baseline remains unchanged as discussed above. Only the baseline emissions have been updated for the second crediting period, without re-assessing the baseline scenario, based on the latest approved version (Version 16.0) of the methodology ACM0002. Step 2.2: Update the data and parameters The approach used to calculate the baseline emission factor is updated as per the latest version of CO₂ baseline database, version 11, available at the time of PDD submission for renewal of crediting period.
Conclusion	PJRCES Validation team confirms that the baseline scenario for the project is continuation for the current practice i.e. generation of equivalent amount of electricity by the grid to which the project is connected.

D.4. Estimated GHG emission reductions or net anthropogenic GHG removals

Means of validation	The GHG emission reduction calculations were checked in accordance with the formulae given in the baseline and monitoring methodology ACM0002, Version 16.
Findings	1) Baseline emissions: In line with the baseline and monitoring methodology, ACM0002, version 16, the baseline emission calculation for the project activity is attributable to the CO₂ emission that could have been produced by the fossil fuel based power plants in absence of the proposed project activity. Hence, the amount of electricity supplied to the Indian grid shall be multiplied by the grid emission factor to calculate the baseline emissions reduced by the proposed project activity. $BE_y = EG_{\text{facility},y} \times EF_{\text{grid},\text{CM},y}$ Where, $EG_{\text{facility},y}$ - Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh). $EF_{\text{grid},\text{CM},y}$ - CO₂ emission factor of the grid in year y; tCO₂/MWh The baseline emission factor $EF_{\text{grid},\text{CM},y}$ is calculated as the weighted average of the Operating Margin emission factor ($EF_{\text{OM},y}$) and the Build Margin emission factor ($EF_{\text{BM},y}$): $EF_{\text{grid},\text{CM},y} = W_{\text{OM}} * EF_{\text{OM},y} + W_{\text{BM}} * EF_{\text{BM},y}$ Where, $W_{\text{OM}} = 75\%$ $W_{\text{BM}} = 25\%$ As per the latest CEA CO₂ baseline database, versión 11, $EF_{\text{OM},y} = 0.9941$

	$EF_{BM,y} = 0.9285$ $EF_{grid,CM,y} = 0.9777 \text{ tCO}_2/\text{MWh}$ Project Emissions: For most renewable power generation projects activities $PE_y = 0$ Leakage Emissions: No Leakage emissions are considered
Conclusion	All assumptions and data used by the project participants are listed in the updated PDD including their references and sources. All documentation used by the project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the updated PDD. All values used in the updated PDD are considered reasonable in the context of the proposed CDM project activity. The baseline methodology has been applied correctly to calculate project emissions, baseline emissions, leakages and emission reductions. All estimates of the baseline, project and leakage emissions can be replicated using the data and parameter values provided in the updated PDD.

D.5. Validity of monitoring plan

Means of validation	Based on the review of the documented procedures, interviews with relevant personnel, PJRCES validation team evaluated the monitoring plan for the proposed project to ensure that it is based on the approved monitoring methodology that has been applied, and assessed: (1) Whether the monitoring plan contains all necessary parameters; (2) Whether the parameters are clearly described; (3) Whether the means of monitoring described in the plan complies with the requirements of the methodology; (4) Whether the means of implementation of the monitoring plan, including the data management and quality assurance and quality control procedures, are sufficient to ensure that the emission reductions can be reported ex post and verified.			
Findings	The project applies approved monitoring methodology ACM0002, version 16.			
	1) Parameters that have been determined ex-ante and shall remain fixed during the second crediting period:			
	Data and parameter	Unit	Ex-ante Value	Data Source
	Operating Margin emission factor for Indian grid ($EF_{OM,y}$)	tCO ₂ /MWh	0.9941 tCO ₂ /MWh	CO ₂ Baseline Database for Indian Power Sector” version 11.0, published by the Central Electricity Authority, Ministry of Power, Government of India.
	Build Margin emission factor for Indian grid ($EF_{BM,y}$)	tCO ₂ /MWh	0.9285 tCO ₂ /MWh	Same as above.
	Combined Margin emission factor for Indian grid ($EF_{CM,y}$)	tCO ₂ /MWh	0.9777 tCO ₂ /MWh	Same as above.
	2) Parameters monitored ex-post			
	Net electricity supplied to the grid by the project activity (EG y net). There has been no change in the monitoring of this parameter during the second crediting period.			
	3) Management system and quality assurance			
	Detailed procedures have been elaborated in the updated PDD, including;			
	• Organization and management structure			
	• Monitoring and metering system and testing arrangements			
	• Data management system			
	• Verification of monitoring results			

	These will be maintained and implemented to enable subsequent verification of emission reductions.
Conclusion	PJRCES Validation team confirms that the project correctly applies the approved monitoring methodology ACM0002, Version 16. The monitoring plan will give opportunity for real measurements of achieved emission reductions. PJRCES validation team considers that the project participants are capable to implement the monitoring plan.

D.6. Crediting period

Means of validation	PJRCES validation team reviewed the PDD, and registration information in the UNFCCC website to confirm the validity of the second crediting period.
Findings	The project was registered on 19 June 2009 as CDM project and the first crediting period was from 19 June 2009 to 18 June 2016. The renewed second crediting period as per the revised PDD, version 04 dated 20 May 2016 is from 19 June 2016 to 18 June 2023. The project participant notified the EB Secretariat on 05 April 2016 regarding the renewal of the crediting period and selected DOE. However, it has been observed that the notification of the intention to request a renewal of the crediting period was not sent to the secretariat by 180 days prior to the date of expiration of the current crediting period. As per the CDM PCP, if the notification of the intention to request a renewal of the crediting period was not received by the secretariat by 180 days prior to the date of expiration of the current crediting period, and if the date when the renewal of crediting period is deemed renewed after the expiration of the current crediting period, the project participants or the coordinating/managing entity shall not be entitled to claim the issuance of CERs from the first day of the next crediting period until the last day before the renewal of crediting period is deemed renewed or until the number of days equivalent to the delay in the notification have elapsed since the notification submission deadline, whichever is earlier.
Conclusion	The validation team confirmed that the notification regarding to the request for renewal of crediting period of the project meets the requirements of CDM PCP, and the 2nd crediting period is valid.

D.7. Project participants

Means of validation	PJRCES Validation team reviewed the revised PDD,,version 04 dated 20 May 2016 and registration information in the UNFCCC website to confirm the validity of project participants.
Findings	It is confirmed that the project participant from the host party, India, is still "Belgaum Wind Farms Pvt. Ltd." No Annex I party has been identified even in the revised PDD, version 04, dated 20 May 2016.
Conclusion	The validation team confirmed that the project participant indicated in the revised PDD, version 04, dated 20 May 2016 is consistent with name in the UNFCCC website for the project.

D.8. Post-registration changes

Type of post-registration changes (PRCs)	Confirmation (Y/N)	Validation report for PRCs	
		Version	Completion date
Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline	N		
Corrections	N		
Inclusion of a monitoring plan to a registered project activity	N		
Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline	N		
Changes to the project design of a registered project activity	N		
Types of changes specific to afforestation and reforestation project activities	N		

SECTION E. Internal quality control

The validation report underwent independent technical review performed by Technical Reviewer qualified in accordance with PJRCES's qualification scheme for CDM Validation and Verification activities.

SECTION F. Validation opinion

Perry Johnson Registrars Carbon Emission Services Inc. (PJRCES Inc.) has performed a validation of renewal of crediting period of the project activity "24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka" in India (UNFCCC Registration No.: 1687). The validation was performed on the basis of UNFCCC criteria for the Clean Development Mechanism as well as criteria given to provide for consistent project operations, monitoring and reporting.

The report is based on the assessment of the project design document undertaken through stakeholder consultations, application of standard auditing techniques including but not limited to document reviews, follow-up interviews with project stakeholders, review of the applicable methodology and its underlying formulae and calculations.

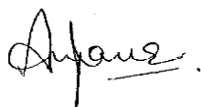
The project participant from host Party India is still "Belgaum Wind Farms Pvt. Ltd." and No Annex I party has been identified. The DNA from India confirmed that the project assists in achieving sustainable development.

The project correctly applies the baseline and monitoring methodology ACM0002, Version 16, "*Consolidated baseline methodology for grid-connected electricity generation from renewable sources*"

The project results in reductions in-term of benefits to the mitigation of climate change. The total emission reductions from the project are estimated to be on the average 54,653 tCO₂e per year over the second renewable crediting period. The emission reductions forecast have been checked and it is deemed likely that the stated amount is achieved given that the underlying assumptions do not change.

The monitoring plan provides for the monitoring of the project's emission reductions. The monitoring arrangements described in the monitoring plan are feasible within the project design and it is PJRCES's opinion that the project participants are able to implement the monitoring plan.

In summary, it is PJRCES's opinion that the project activity "24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka" in India, as described in the PDD (version 4.0 dated 20 May 2016), meets all relevant UNFCCC requirements for the renewal of crediting period. Hence, PJRCES requests the renewal of the crediting period of the project.



(Anjana Sharma)
Team Leader



Bilal Anwar
(Technical Reviewer/Approver)

Appendix 1. Abbreviations

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CEF	Carbon Emission Factor
CER	Certified Emission Reduction
CL	Clarification request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
CM	Combined Margin
ER	Emission Reductions
GHG	Greenhouse gas(es)
GWP	Global Warming Potential
HESCOM	Hubli Electricity Supply Company Limited
EB	Executive Board
KPTCL	Karnataka Power Transmission Corporation Ltd.
MP	Monitoring Plan
MR	Monitoring report
MWh	Mega Watt Hour
OM	Operational Margin
PCP	Project Cycle Procedure
PJRCS	Perry Johnson Registrars Carbon Emission Services
PDD	Project Design Document
PP	Project Proponent
PS	Project Standard
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

TEAM MEMBER NAME	COMPETENCY /ROLE	EXPERIENCE
Anjana Sharma	Lead Verifier/Sector Expert	Anjana Sharma holds a Bachelor in Chemical Engineering. She has a combined experience of 16 years. Prior to her entry into the CDM world, she worked for 3 years in Chlor-Alkali industry wherein she was involved mainly in the plant operations, energy conservation measures and QMS. During her stint in industry, her technical responsibilities included involvement in day-to-day plant operations, analysis of consumption of different inputs to the Chlor-Alkali process (primarily the raw material, power, fuels like FO/HSD for boilers etc) on daily basis and preparation of consolidated monthly report. Based on that, she, in consultation with Head of Works, would identify the potential areas of improvement and presenting the same to the management. Being the member of Technical Services Cell of the company, she was actively involved in market research for the energy efficient technologies for the Chlor-Alkali process. Apart from above technical part, she was also an internal auditor for ISO 9001. She has been trained as an internal auditor as well as Lead Auditor for QMS (ISO 9001), EMS (ISO 14001) & OSHAS. Her experience in CDM includes 10 years in validation and verification of projects in regulated as well as non-regulated market. Prior to joining PJRCMD, she worked as a CDM Validator and Technical Reviewer at another DOE for 4 years. She has handled validation and verification of numerous CDM projects, both in India & abroad in different areas like renewable energy, energy efficiency, waste heat recovery, waste handling and disposal (especially landfill gas recovery and utilization, and waste wind treatment), fuel switch etc. Her sufficient sectoral competence in renewable energy based energy generation, energy efficiency and waste handling and disposal is sufficiently demonstrated through her education qualification, industry experience and experience in CDM.
Bilal Anwar	Technical Reviewer/Approver	Bilal Anwar has over twelve years of experience in International Climate Change Policy, global regimes of greenhouse gas

		reduction projects and corporate sector greenhouse strategies. A significant part of his experience is in Clean Development Mechanism (CDM) in which he got involved from its inception. He worked in the United Nations Framework Convention on Climate Change Secretariat (UNFCCC) where he was involved in the inter-governmental negotiation process, leading to the agreement on Marrakech Accords, which operationalized the CDM as a global carbon market mechanism. He has been closely involved in the development of CDM methodologies, its regulatory, procedural and legal frameworks in support of the CDM Executive Board. He was the team leader of CDM Accreditation Unit in the secretariat. Subsequently Bilal worked for two years as a Technical Director for ERM certification and Verification Services (DOE) based in London. In this role Bilal worked on the operational and management aspects of the company in order to deliver quality reports in compliance with the regulatory requirements and quality expectations of the CDM Executive Board and undertook review of CDM projects for energy, waste and transport sector. Currently, Bilal is responsible for final approval of CDM reports in Perry Johnson Registrars carbon Emission Services
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Appendix 3. Documents reviewed or referenced

N o.	Author	Title	References to the document	Provider
1	EKI Energy Services Ltd. (CDM consultant for PP - Belgaum Wind Farms Pvt. Ltd.)	"24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka" – CDM PDD for Renewal of Crediting period.	CDM PDD, Version 04, dated 20 May 2016	EKI energy Services Ltd.
2	Same as above	24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka – Emission reduction calculations - for renewal of crediting period.	ER Excel worksheet - Version 01, dated 20 May 2016	EKI Energy Services Ltd.
3	PP - Belgaum Wind Farm Pvt. Ltd.	Email message to UNFCCC confirming the intention to request a renewal of the crediting period for the project activity "24.8 MW Wind power project by Belgaum Wind Farms Private Ltd. in Gadag, Karnataka"	-	PP
4	India DNA (Host party)	Letter of Approval	https://cdm.unfccc.int/filestore/9/Q/U/9QUROKVX7W40NEFJ81L5ADIH3S6PTY/LOA%20%20-%20India.pdf?t=YzN8bzdweXh5fDBjm_AAant-pMEz_oLKog6kR	Project interface on UNFCCC website.
5	Central Electricity Authority (CEA) of India	CEA CO2 baseline database, version 11.	http://cea.nic.in/reports/others/thermal/tpece/cdm_co2/user_guide_ver11.pdf	CEA
6	CDM Website	Registered information about the project	https://cdm.unfccc.int/Projects/DB/DNV-CUK1204705646.68/view	Project interface on UNFCCC website.
7	CDM EB	Clean Development Mechanism Validation and Verification Standard, version 09.0	-	Others
8	CDM EB	CDM Executive Board: Clean development Mechanism Project Standard, version 09.0.	-	Others
9	CDM EB	Clean Development Mechanism Project Cycle Procedure, version 09.0.	-	Others
10	CDM EB	Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period, version 03.0.1.	-	Others
11	CDM EB	Tool to calculate the emission factor for an electricity system, version 5.0.0.	-	Others
12	CDM EB	Baseline and monitoring methodology ACM0002, version 16 - "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"	-	Others

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

Table 1. CL from this validation

CL ID	CL#01	Section no.	Date: 05/05/2016
Description of CL			
<i>PDD, version 03, dated 05 April 2016 is not prepared using the latest CDM-PDD-FORM. PP is required to use the latest available CDM-PDD-FORM.</i>			
Project participant response			Date: 20/05/2016
<i>PDD has been revised using the latest version 7.0 of CDM-PDD-FORM.</i>			
Documentation provided by project participant			
<i>Revised PDD version 04, dated 20 May 2016</i>			
DOE assessment			Date: 24/05/2016
<i>Revised PDD version 04, dated 20 May 2016 is prepared using latest available CDM-PDD-FORM.</i>			

Table 2. CAR from this validation

CAR ID	xx	Section no.	Date: DD/MM/YYYY
Description of CAR			
<i>NA</i>			
Project participant response			Date: DD/MM/YYYY
<i>NA</i>			
Documentation provided by project participant			
<i>NA</i>			
DOE assessment			Date: DD/MM/YYYY
<i>NA</i>			

Table 3. FAR from this validation

FAR ID	xx	Section no.	Date: DD/MM/YYYY
Description of FAR			
<i>NA</i>			
Project participant response			Date: DD/MM/YYYY
<i>NA</i>			
Documentation provided by project participant			
<i>NA</i>			
DOE assessment			Date: DD/MM/YYYY
<i>NA</i>			

Attachment: Instructions for filling out the validation report form for renewal of crediting period for CDM project activities

1. General instructions

1. When completing the CDM-RCP-FORM that applies to the validation of renewal of crediting period of any type of registered CDM project activity except registered carbon dioxide capture and storage (CCS) CDM project activities, in addition to applying the relevant requirements in the valid version of the "[CDM validation and verification standard \(VVS\)](#)", consult the "[Rules and Reference](#)" section of the UNFCCC CDM website. This section contains all regulatory documents for the CDM, such as [standards](#) (including [methodologies](#), [tools](#) and [standardized baselines](#)), [procedures](#), [guidelines](#), [clarifications](#), [forms](#) and the "[Glossary: CDM terms](#)".
2. Include, if necessarily, additional information other than that indicated in this validation report for renewal of crediting period, in order to support how the designated operational entity (DOE) has arrived at its conclusions. This information may include, but need not be limited to tables, graphs and annexes such as a validation protocol.
3. List all the abbreviations used in this validation report in Appendix 1 below.
4. Complete the CDM-RCP-FORM and all attached documents in English, or attach a full translation of relevant sections in English.
5. Complete the CDM-RCP-FORM using the same format without modifying its font, headings or logo, and without any other alteration to the form.
6. Do not modify or delete the tables and their columns in the CDM-RCP-FORM. Add rows to the tables and appendices as needed.
7. If a section of the CDM-RCP-FORM is not applicable, explicitly state "N/A" to indicate that the section is left blank intentionally.
8. Use an internationally recognized format for the presentation of values in the CDM-RCP-FORM, for example use digits grouping in thousands and mark a decimal point with a dot (.), not with a comma (,).
9. Complete the CDM-RCP-FORM deleting this attachment "Instructions for filling out the validation report form for renewal of crediting period for CDM project activities".

2. Specific instructions

1. Indicate the following information on the cover page:
 - (a) Title of the project activity;
 - (b) Reference number of the project activity (UNFCCC reference number);
 - (c) Number and duration of the next crediting period (first and last days included (DD/MM/YYYY – DD/MM/YYYY));
 - (d) Version number of the validation report for RCP (version XX.X);
 - (e) Completion date of the validation report for RCP (DD/MM/YYYY);
 - (f) Version number of PDD to which this report applies (version XX.X);

- (g) Project participant(s);
- (h) Host Party;
- (i) Estimated annual average GHG emission reductions or net anthropogenic GHG removals in the next crediting period (tCO₂e)
- (j) Sectoral scope(s), selected methodology(ies) and, where applicable, selected standardized baseline(s);
- (k) Name of DOE;
- (l) Name, position and signature of the approver of the validation report for RCP.

SECTION A. Executive summary

1. Provide a brief summary of the project activity (including the purpose and general description and location), scope of the validation, validation process and conclusion.

SECTION B. Validation team, technical reviewer and approver

1. Provide details of the validation team, technical reviewer and approver in sections B.1 and B.2. If applicable, also identify any trainees.
2. For "Type of resource" in sections B.1 and B.2, indicate the type of resource of the personnel with the use of one of the following abbreviations referring to the "[CDM accreditation standard](#)":
 - (a) IR (Internal Resource);
 - (b) EI (External Individuals);
 - (c) OR (Outsourced Resource).
3. Demonstrate how the team meets the competence required for the validation in Appendix 2 below.

SECTION C. Means of validation

C.1. Desk review

1. List all documents reviewed or referenced during the validation in Appendix 3 below.

C.2. On-site inspection

1. Summarize any on-site inspection performed during the validation in the table.

C.3. Interviews

1. Summarize all the interviews (i.e. in-person interviews, web/teleconferences, etc.) conducted during the validation in the table.

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

1. Indicate in the table the number of the clarification requests (CLs), corrective action requests (CARs), and forward action requests (FARs) raised in each area of validation findings in SECTION D below.

SECTION D. Validation findings

1. In sections D.1–D.7 below, complete tables to validate the compliance in accordance with applicable validation requirements in the VVS by describing:
 - (a) Means of validation: describe how the compliance was validated;
 - (b) Findings: provide a brief description of the findings. Include in Appendix 4 below details of any CLs, CARs and FARs, if raised;
 - (c) Conclusion: provide a conclusion on the compliance based on the findings.

D.1. Compliance with PDD form

1. Confirm the compliance of the updated PDD with the valid version of the applicable PDD form and the instructions therein for filling out the PDD form.
2. If the project participants used the later version of the PDD form for the updated PDD than the version of the PDD form of the registered PDD, confirm whether information transferred to the later version of the PDD form is materially the same as that in the registered PDD.

D.2. Application of baseline and monitoring methodology and standardized baseline

1. Explain how the application of the baseline and monitoring methodology and, where applicable, the standardized baseline in the updated PDD was assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.3. Validity of original baseline or its update

1. Explain how the validity of the baseline in the updated PDD was assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.4. Estimated GHG emission reductions or net anthropogenic GHG removals

1. Explain how the estimated GHG emission reductions or net anthropogenic GHG removals in the updated PDD were assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.5. Validity of monitoring plan

1. Explain how the monitoring plan in the updated PDD was assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.6. Crediting period

1. Explain how the crediting period in the updated PDD was assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.7. Project participants

1. Explain how the names of the project participants included in the updated PDD were assessed in accordance with the applicable validation requirements related to the renewal of crediting period in the VVS.

D.8. Post-registration changes

1. Confirm in the table whether any proposed post-registration changes for the next crediting period are to be submitted together with the request for renewal of crediting period.
2. In cases where the proposed changes are to be submitted together with the request for renewal of crediting period, report the version number and completion date of the validation report for post-registration changes.

SECTION E. Internal quality control

1. Describe the measures taken to ensure the quality of the validation activities.

SECTION F. Validation opinion

1. Provide a validation opinion in accordance with applicable validation requirements related to the renewal of crediting period in the VVS.

Appendix 1. Abbreviations

1. List all the abbreviations used in this report in the table.

Appendix 2. Competence of team members and technical reviewers

1. Provide documentation to substantiate the required competence of validation team members and technical reviewer(s).

Appendix 3. Documents reviewed or referenced

1. List all documents reviewed or referenced during the validation including CDM regulatory documents in the table.
2. For each document indicate the following:
 - (a) Title: provide the title of the document. Include the version number, if applicable;
 - (b) Author: provide the name(s) of the author(s). Where the author(s) belong(s) to the organization(s) that issue the document, provide only the name(s) of the organization(s);
 - (c) References to the document: where applicable, provide the relevant reference to the document such as the dates of completion/publication and URL;
 - (d) Provider: choose one of the following options to indicate who provided the document to the DOE for its desk review. Select 'Others' for documents that were provided by those other than the project participants:
 - (i) Project participants;
 - (ii) Others.

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

1. If needed, copy tables 1, 2 and/or 3 for each CL, CAR, and/or FAR, and copy the following rows until the finding is closed unless a FAR for future verifications is issued:
 - (a) Project participant response;
 - (b) Documentation provided by project participant;
 - (c) DOE assessment.
2. In each table, indicate the section number of the validation report for renewal of crediting period to which each CL, CAR or FAR corresponds.

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	23 March 2015	Initial publication.
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