

ANNEX 3

ASSESSMENT

REGARDING POST REGISTRATION CHANGES

INTERNATIONAL BANK FOR RECONSTRUCTION AND
DEVELOPMENT AS CUSTODIAN OF THE BIOCARBON
FUND (THE WORLD BANK)

MOLDOVA COMMUNITY FORESTRY DEVELOPMENT PROJECT

Report No: 8000414562 – 12/085

Date: 2013-08-01

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Assessment Report regarding Post Registration Changes:

Moldova Community Forestry Development Project



TÜV NORD CERT GmbH JI/CDM Certification Program

P-No.: 8000414562 – 12/085

Assessment Report on post registration changes	Report No.	Rev. No.	Date of 1st issue:	Date of this rev.
	8000414562 – 12/085	0	2013-08-01	2013-08-01
Project:	Title:		Registration date:	UNFCCC-No.:
	Moldova Community Forestry Development Project		2012-11-15	8244
Project Participant(s):	Name:		Party:	
	Agency Moldsilva International Bank for Reconstruction and Development as custodian of the BioCarbon Fund Kingdom of Spain- Ministry of the Agriculture, Food and Environment & Ministry of Economy and Competitiveness International Bank for Reconstruction and Development (World Bank) Government of Ireland – Department of the Environment, Community and Local Government		Republic of Moldova (host) Spain Ireland	
Applied methodology/ies:	Title:		No.:	Scope:
	Restoration of degraded lands through afforestation/reforestation		AR-AM0002 ver. 3	14 / 14.1
Post Registration Changes:	Type of requested changes		Number of changes	Prior Approval required
	<input type="checkbox"/> Temporary deviations from the MP		-	<input type="checkbox"/>
	<input type="checkbox"/> Temporary deviations from the MM		-	<input type="checkbox"/>
	<input type="checkbox"/> Corrections that do not affect the project		-	<input type="checkbox"/>
	<input type="checkbox"/> Change to the start date of the crediting p.		-	<input type="checkbox"/>
	<input type="checkbox"/> Permanent changes from the MP		-	<input type="checkbox"/>
	<input type="checkbox"/> Permanent changes from the MM		-	<input type="checkbox"/>
	<input checked="" type="checkbox"/> Design changes to the project activity/PoA		-	<input type="checkbox"/>
<input checked="" type="checkbox"/> Changes specific to A/R		Several	<input type="checkbox"/>	
Revised PDD:	Title:		Attached in TC:	Attached clean:
	No revised PDD required		<input type="checkbox"/>	<input type="checkbox"/>
Assessment team / Technical Review and Final Approval	Assessment Team:		Technical review:	Final approval:
	Alexandra Nebel (TL) Renzoandre De la Pena Levander (AT) Evgeni Sud (TM)		Lokesh Chandra Dube	Rainer Winter
Assessment Opinion:	<input type="checkbox"/>	The post registration changes require prior Approval by the Board		

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	<input checked="" type="checkbox"/>	The post registration changes do not require prior Approval by the Board
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Abbreviations

A/R	Afforestation/Reforestation
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
t-CER	Temporary Certified Emission Reduction
I-CER	Long-term Certified Emission Reduction
CO₂	Carbon dioxide
CO_{2eq}	Carbon dioxide equivalent
CL	Clarification Request
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GPG	Good Practice Guide
ha	hectare
LULUCF	Land use, land use change and forestry
MP	Monitoring Plan
MR	Monitoring Report
PIU	Project Implementation Unit
PDD	Project Design Document
PP	Project Participant
QA/QC	Quality Assurance / Quality Control
SMART	Simplified Monitoring Afforestation/Reforestation Tool
UNFCCC	United Nations Framework Convention on Climate Change
XLS	Emission Reduction Calculation Spread Sheet

Table of Contents	Page
1 OBJECTIVE / SCOPE	6
2 GENERAL CHARACTERISTICS	7
2.1 Project Characteristics	7
2.2 Overview of Post Registration Changes	7
2.3 Assessment team members and technical reviewers	7
2.4 Assessment Steps	8
2.5 Review of Documents	8
2.6 Follow-up Interviews	8
2.7 Resolution of Clarification and Corrective Action Requests	9
2.7.1 Definition	9
2.7.2 Assessment	9
2.8 Technical review	10
2.9 Final approval	10
3 CHANGES THAT DO NOT AFFECT THE PROJECT DESIGN.....	11
3.1 Assessment of Changes	11
3.2 13	
3.3 Related Findings	14
4 CHANGE TO THE START DATE OF THE CREDITING PERIOD.....	15
5 CHANGES TO THE PROJECT / PROGRAMME DESIGN.....	16
6 SUMMARY OF ASSESSMENT OPINIONS.....	17
7 REFERENCES	18
APPENDIX 1: ASSESSMENT OF FINANCIAL PARAMETERS.....	20
APPENDIX 2: ASSESSMENT OF BARRIER ANALYSIS.....	21
APPENDIX 3: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL.....	22

1 OBJECTIVE / SCOPE

International Bank for Reconstruction and Development as custodian of the BioCarbon Fund (The World Bank) has commissioned the TÜV NORD JI/CDM Certification Program (CP) to assess post registration changes of the project

“Moldova Community Forestry Development Project”

This report serves for all kind of post registration changes as defined in the PS.

In this case it serves as an annex to the verification report.

2 GENERAL CHARACTERISTICS

2.1 Project Characteristics

As this assessment was carried out as part of the 1st verification of the project activity please refer to chapter 2 of the verification report.

2.2 Overview of Post Registration Changes

Within this report post registration changes as listed in Table 2-2 are assessed.

Table 2-2: Overview Post Registration Changes

#	Applicable from – to / as of	MP	Type of post registration change ¹⁾	Description	Status ²⁾ / Date
1			TDfrMP	-	
2			TDfMM	-	
3			CrPDD	-	
4			PCfrMP	-	
5			PCfMM	-	
6			CoPD	-	
7	2006-11-01		CstAR	Several small AR specific types of changes	Accepted 2013-08-01

- ¹⁾
- TDfrMP : Temporary deviation from registered monitoring plan
 - TDfMM : Temporary deviation from the monitoring methodology
 - CrPDD : Corrections to the registered PDD
 - ChSD : Change to the start date of the crediting period
 - PCfrMP : Permanent changes from registered Monitoring Plan
 - PCfMM : Permanent changes from Monitoring Methodology
 - CoPD : Changes to the project design of a registered project activity / PoA
 - CstAR : Changes specific to afforestation or reforestation

2.3 Assessment team members and technical reviewers

As this assessment was carried out as part of the 1st verification of the project activity please refer to the main part of the verification report.

2.4 Assessment Steps

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.

2.5 Review of Documents

The registered 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.

2.6 Follow-up Interviews

The validation team has carried out interviews in order to assess the information included in the project documentation and to gain additional information regarding the compliance of the project with the relevant criteria applicable for CDM.

During validation the validation team has performed interviews to confirm selected information and to resolve issues identified in the document review. The main topics of the interviews are summarized in table 2-4.

Table 2-4: Interviewed persons and interview topics

Interviewed Persons / Entities	Interview topics
--------------------------------	------------------

Interviewed Persons / Entities	Interview topics
<ol style="list-style-type: none"> 1. Projects & Operations Personnel, Moldsilva and forest directives 2. Bio Carbon Fund (World Bank) 3. District members 	<ul style="list-style-type: none"> - General aspects of the project - Forest management plan and implementation - Changes since validation - Monitoring and measurement - Remaining issues from validation - Calibration procedures (if applicable) - Quality management system - Involved personnel and responsibilities - Training and practice of the operational personnel - Implementation of the monitoring plan - Monitoring data management - Data uncertainty and residual risks - GHG removal calculation - Procedural aspects of the verification - Controlling of forest sites - Environmental aspects

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

2.7 Resolution of Clarification and Corrective Action Requests

2.7.1 Definition

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

- mistakes have been made in assumptions, application of the methodology or the project documentation which will have a direct influence the project results,
- the requirements deemed relevant for validation of the intended / implemented changes,
- there is a risk that the changes cannot be approved by the UNFCCC or that emission reductions would not be able to be verified and certified after the implementation of the changes.

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

2.7.2 Assessment

After reviewing all relevant documents and taken all other relevant information into account, the assessment team issues all findings (in the course of a draft report, if

applicable) and hands over the findings to the project proponent in order to respond on the issues raised and to revise the documentation accordingly.

The final reporting step starts after resolution of the raised CARs and CLs. In case the findings from CARs and CLs cannot be resolved by the project proponent or the proposed action related to the FARs raised cannot be assessed as adequate, no positive assessment opinion can be issued by the validation team.

The CAR(s) / CL(s) / FAR(s) are documented in the context of the respective chapters.

2.8 Technical review

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.

2.9 Final approval

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

Only after this step the notification or the report can be forwarded to the UNFCCC (in case of a positive validation opinion).

3 CHANGES THAT DO NOT AFFECT THE PROJECT DESIGN

3.1 Assessment of Changes

Requested Deviations / Changes #1

- Type of change(s):
- ☐ Temporary Deviation from Monitoring Plan
 - ☐ Temporary Deviation from Monitoring Methodology
 - ☐ Corrections that do not affect the project design
 - ☐ Permanent Change from Monitoring Plan
 - ☐ Permanent Change from Monitoring Methodology
 - ☒ Changes specific to afforestation or reforestation

A. Description of post registration change

Start Date: Please provide the start date of the change	2006-11-01	End Date: Please provide the end date of the change, if applicable	-
Description: Please give a detailed description of the changes	<p>k- Changes in stratification for sampling: re-stratification has been performed according to soil conditions, age of plantation, type of species and survival rate.</p> <p>m- Changes in number of sample plots and their allocation to strata: As a follow up to ex post stratification, the calculation of number sample plots and their allocation to the strata has been revised.</p> <p>p- The project has adopted allometric equations specific to the project area. Some of these allometric equations are based on DCH instead of DBH (please refer to Calculation Sheet, worksheet "Standard Values" for list of allometric equations by species using DBH or DCH). The parameters, equations or methods used in the biomass estimation are in line with the "Tool for demonstration of applicability of allometric equations and volume equations in A/R CDM project activities". The parameters, equations or methods do not result in the decrease in the precision of the estimate of tree biomass.</p> <p>s- Soil carbon accounting has been changed. Changes in extent of soil disturbance in site preparation, if the related emissions are estimated at verification using Equation (2) of the "Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities" and are accounted for as project emissions.</p>		

Requested Deviations / Changes #1

B. Assessment of post registration change – Changes specific to A/R project activities

Accuracy:

Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.

Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents (version 02.0) (EB66, Annex 24)

Conservative-ness:

Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.

k- Re-stratification is a requirement of the methodology and is a method to reduce the standard deviation during sampling. Thus re-stratification is a conservative method. The re-stratification has been performed as per best forest practice during this monitoring period.

m- as a consequence of re-stratification the sample plot allocation has been changed. The justification is the same as for (k).

p – Local allometric equations have been applied to the project. In light of this dbh and dch are possible parameters to be measured and applied in the equations. The PP applied the dch for cases where the dbh would lead to less precise results (depending on size of the tree at time of monitoring). This method allows having more precise results in the estimations. Thus the applied method is conservative.

s- soil carbon and soil carbon losses are estimated in line with the applicable “Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities”. Equation (2) of the tool has been correctly applied. This approach can thus be considered conservative.

Appendix 1 PS:

Check if the changes fall under one of the scenarios of appendix 1 of the PS.

Yes, the changes fall under Appendix 1 of the project standard.

C. 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 and A/R specific changes).
- ☐ The revised PDD has been forwarded in (i) track-change and (ii) clean version.

D. 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*

3.2

Requested Deviations / Changes #1

- Type of change(s):
- ☐ Temporary Deviation from Monitoring Plan
 - ☐ Temporary Deviation from Monitoring Methodology
 - ☐ Corrections that do not affect the project design
 - ☐ Permanent Change from Monitoring Plan
 - ☐ Permanent Change from Monitoring Methodology
 - ☒ Changes specific to afforestation or reforestation

A. Description of post registration change

Start Date: Please provide the start date of the change	2006-11-01	End Date: Please provide the end date of the change, if applicable	-
Description: Please give a detailed description of the changes	<p>a- Monitoring of data and parameters: Data and parameters required to be monitored in the methodological tool "Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities" were measured.</p> <p>b- Sampling design, sample plot lay-out, and marking of permanent sample plots: A 90% confidence level was applied. Further the design for sampling of litter has been slightly changed.</p> <p>c- Accounting for uncertainty: Uncertainty analysis was not conducted as per these guidelines.</p> <p>d- Field measurement of soil organic carbon: The "Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities" was used for estimation of changes in soil organic carbon pool.</p> <p>e- Clearance or burning of herbaceous vegetation: Loss of carbon in living herbaceous vegetation was not accounted for.</p> <p>f- Estimation of emissions of nitrous oxide from use of fertilizers: The project did not use nitrogenous fertilizers. Therefore, emissions of nitrous oxide from use of fertilizers were not required to be monitored.</p> <p>g- Burning of fossil fuel: Emissions from burning of fossil fuel, both within and outside the project boundary were not monitored and accounted for.</p>		

Requested Deviations / Changes #1

B. Assessment of post registration change – Changes specific to A/R project activities

Accuracy:

Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.

Guidelines on application of specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities (version 01.1) (EB 68, Annex31). All changes are allowed as per the guideline and thus respective accuracy is assured.

Conservativeness:

Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.

All changes are allowed as per the guideline (EB 68, Annex31) and thus conservativeness is not endangered.

Sampling approaches follow best forest practice and consider the required precision levels.

Appendix 1 PS:

Check if the changes fall under one of the scenarios of appendix 1 of the PS.

Yes, the changes fall under Appendix 1 of the project standard.

C. 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 and A/R specific changes).
- ☐ The revised PDD has been forwarded in (i) track-change and (ii) clean version.

D. 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*

3.3 Related Findings

No findings have been identified in this context.

4 CHANGE TO THE START DATE OF THE CREDITING PERIOD

The post registration changes do not fall under this category.



TÜV NORD CERT GmbH JI/CDM Certification Program

P-No.: 8000414562 – 12/085

5 CHANGES TO THE PROJECT / PROGRAMME DESIGN

The post registration changes do not fall under this category.



TÜV NORD CERT GmbH JI/CDM Certification Program

P-No.: 8000414562 – 12/085

6 SUMMARY OF ASSESSMENT OPINIONS

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

Type of Change occurred	Total No. of changes	No. of changes which require prior approval
<input type="checkbox"/> Temporary deviations from the MP		
<input type="checkbox"/> Temporary deviations from the MM		
<input type="checkbox"/> Corrections that do not affect the project		
<input type="checkbox"/> Change to the start date of the crediting p.		
<input type="checkbox"/> Permanent changes from the MP		
<input type="checkbox"/> Permanent changes from the MM		
<input type="checkbox"/> Design changes to the project activity / PoA		
<input checked="" type="checkbox"/> Changes specific to AR projects	several	0

None of the changes requires prior approval of the Board.

Hannover, 2013-08-01

Alexandra Nebel
TÜV NORD JI/CDM CP
Assessment Team Leader

Essen, 2013-08-01

Rainer Winter
TÜV NORD JI/CDM CP
Final Approval



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P-No.: 8000414562 – 12/085

7 REFERENCES

All references are listed in the Verification Report to which this assessment is attached.

APPENDIX

- A1:** Assessment of Financial Parameters
- A2:** Assessment of Barrier analysis
- A3:** Competence statements of involved personnel

APPENDIX 1: ASSESSMENT OF FINANCIAL PARAMETERS

Table A-1: Assessment of Financial Parameters (VVS, v. 2.0, §§ 120, 121 / in case financial parameters stem from FSR §122)

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

APPENDIX 2: ASSESSMENT OF BARRIER ANALYSIS

Table A-2: Assessment of Barrier Analysis (VVS, v. 2.0, §§ 124-127)

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

APPENDIX 3: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL

As per Final Verification Report.