




**Validation report form for post-registration changes for
CDM project activities
(Version 02.0)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title and UNFCCC reference number of the project activity	Humbo Ethiopia Assisted Natural Regeneration Project – UNFCCC Ref. 2712
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report on PRCs	2.0Aa
Completion date of the validation report on PRCs	31/10/2018
Type(s) of PRCs	<input checked="" type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan <input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools <input checked="" type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	04
Project participants	World Vision Ethiopia Kingdom of Spain- Ministry of Agriculture, Food and Environment and Ministry of Economy and Competitiveness Government of Canada – Ministry of Foreign Affairs and International Trade (<i>Party withdrawn from KP effective 15/12/2012</i>) Japan Petroleum Exploration Co., Ltd. (JAPEX) The Okinawa Electric Power Co., Inc Suntory Holdings Limited Tokyo Electric Power Company Holdings, Inc. Sumitomo Joint Electric Power Co., Ltd. Japan Iron and Steel Federation (JISF) Sumitomo Chemical Idemitsu Kosan Co., Ltd.

	<p>Government of Italy - Ministry for the Environment Land and Sea</p> <p>Eco-Carbone S.A.S</p> <p>Ministry of Sustainable Development and Infrastructure</p>
Host Party	Ethiopia
Applied methodologies and standardized baselines	AR-AM0003 version 04 of 26/09/2008: Afforestation and reforestation of degraded land through tree planting assisted natural regeneration and control of animal grazing
Mandatory sectoral scopes linked to the applied methodology	14
Conditional sectoral scopes linked to the applied methodologies	NA
Name and UNFCCC reference number of the DOE	RINA SERVICES SPA E-0037
Name, position and signature of the approver of the validation report on PRCs	<p>Laura SEVERINO</p> <p>Head of Sustainability & Food Certification Compliance</p> 

SECTION A. Executive summary

Purpose and general description of the project activity

The project activity has been implemented to regenerate natural forests by using the so called farmer managed natural regeneration technique (FMNR). Further the project shall reduce and avoid erosion and flooding and enhance biodiversity in the region. The following measures have been implemented to achieve these goals: restoration of approximately 2728 ha of community land, community management, formation of community cooperative societies, monitoring system to monitor carbon stock changes and environmental and social issues. The project is located in the Humbo Woreda, Wolayita zone.

Scope of validation

This report summarizes the findings of the validation of post registration changes, on the basis of UNFCCC criteria for CDM. The scope of validation is to determine:

- that the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- that the revised PDD reflects the post-registration changes.

Validation shall ensure that:

- the compliance of the revised PDD with the valid version of the applicable form and instructions therein applicable at the time of validation;
- the information transferred to the later valid version of the PDD is materially the same as that in the registered PDD;
- the requirements relevant to the actual post registration changes in § 8.2 – 8.4 of the CDM VVS.

Validation process

Validation is conducted using RINA procedures in line with the requirements specified in the CDM VVS, latest version available, relevant decisions of the CDM EB and applying standard auditing techniques. The validation assessment involved a document review of relevant documentation and on-site visit. Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement.

Conclusion

The World Bank has commissioned RINA to carry out the verification and certification of GHG removals by sink reported for the registered project activity “*Humbo Ethiopia Assisted Natural Regeneration Project*” in Ethiopia, UNFCCC reference 2712, for the monitoring period 02/12/2011 to 01/12/2017. The project was validated by JACO CDM Ltd (validation report No. GR09W0008D rev. 01 of 07/12/2009) /15/ and it was registered on 07/12/2009.

During the monitoring period some changes occurred to the implementation, operation and monitoring of the registered CDM project activity and have been documented and assessed during the verification activity.

In conclusion, it is RINA’s opinion that the project activity “*Humbo Ethiopia Assisted Natural Regeneration Project*” in Ethiopia, as described in the revised PDD version 4 of 01/08/2018, meets all relevant requirements for CDM activities and post registration changes. Hence RINA is able to validate the post registration changes as described in the following sections.

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/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader	IR	VALOROSO	Rita	RINA Central Office	√	√	√	√
2.	Technical Expert in TA 14.1	EI	MASO	Daria	RINA Central Office	√	√	√	√

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	MENON	Rekha	RINA India
2.	Approver	IR	SEVERINO	Laura	RINA Central Office

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

The revised PDD version of /43/ and the supporting documents /1-42/ were assessed as part of the validation of post registration changes. Appendix 3 of this report lists all documents reviewed during the validation including CDM regulatory documents.

C.2. On-site inspection

Duration of on-site inspection: 16/04/2018 to 20/04/2018				
No.	Activity performed on-site	Site location	Date	Team member
1.	Introduction about the project, history and background of the project, operational and management structure, project starting date and start of crediting period.	WV Ethiopia Office in Sodo	16/04/2018	Rita VALOROSO Daria MASO
2.	Actual implementation and operation of the project activity. Field measurement S3P25, S3P27, S3P30. Meeting with cooperative of Abella Longena. Cross-check between collected field data and calculation spreadsheet.	Humbo District, Abella Longena area.	17/04/2018	Rita VALOROSO Daria MASO
3.	Actual implementation and operation of the project activity. Field measurement S3P14, S3P16. Meeting with cooperative of Bossa Wanche. Field measurement S5P2, S4P4. Meeting with cooperative of Hobicha Bongota. Cross-check between collected field data and calculation spreadsheet.	Humbo District, Bossa Wanche and Hobicha Bongota areas.	18/04/2018	Rita VALOROSO Daria MASO
4.	Meeting with Environment Forestry & Climate Change Office – Humbo District. Cooperatives Office – Humbo District. Cross-check between collected field data and calculation spreadsheet. QA/QC procedures, records and storage data. Measuring instruments. ER calculation Meeting with Humbo Forestry Co-Union	Humbo District WV Ethiopia Office in Sodo Humbo District	19/04/2018	Rita VALOROSO Daria MASO
5.	Closing meeting and communication of the assessment findings	WV Ethiopia Office in Addis Ababa	20/04/2018	Rita VALOROSO Daria MASO

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Regassa	Kebede	WV Ethiopia	16/04/2018 to 20/04/2018	History and background of the project.	Rita VALOROSO Daria MASO
2.	Thomson	Dean	WV Australia			
3.	Eyoel	Tesfahun	WV Ethiopia	17/04/2018 to 19/04/2018	Operational and management structure. Project starting date and start of crediting period. Actual implementation and operation of the project activity. QA/QC procedures. Records and storage data. Measuring instruments. ER calculation. Field	

					measurements.	
4.	Kanido	Milkias	Abella	17/04/2018	Field measurements.	
5.	Urao	Labiso	Longena Coop			
6.	Anja	Alemayehu				
7.	Dea	Debisa	Bossa	18/04/2018	Positive/negative impacts due to the implementation of the project.	
8.	Jeta	Teferi	Wanche Coop			
9.	Medelcho	Muse				
10.	Choto	Bogale	Hobicha			
11.	Bogale	Berehann	Bongota Coop			
12.	Bergene	Belay				
13.	Gedizo	Gaelane				
14.	Bitata	Bizuwerk				
15.	Abel	Abera				
16.	Teka	Warana				
17.	Tadene	Tegaen	Environment Forestry & Climate Change Office	19/04/2018	Positive/negative impacts due to the implementation of the project.	
18.	Dea	Temesgen	Head of Cooperatives		Forestry protection management.	
19.	Bekete	Belete	Expert		Road construction.	
20.	Bara	Mebicetu	Expert		Role of the cooperatives.	
21.	Hira	Ashirafi	Expert			
22.	Ayana	Tiaistu	Expert			
23.	Seta	Teferi	Humbo		Positive/negative impacts due to the implementation of the project.	
24.	Tsdù	Demise	Forestry Co-Union			
25.	Cholo	Bogale				
26.	Dea	Debiasa				
27.	Odeok	Jemane			Role of the cooperatives.	
28.	Kaberu	Nehane			Carbon revenues.	

C.4. Sampling approach

For validation of post registration changes is not applied sampling approach.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) 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, applied methodologies or applied standardized baselines		1	
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			
Others (please specify)			
Total	/	1	/

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

Means of validation	Comparing the revised PDD /43/ with the PDD form provided by CDM EB listed in the UNFCCC website.
Findings	
Conclusion	The revised PDD version submitted for validation is in compliance with the latest PDD form (version available at UNFCCC website) and with the instruction for completing the form therein. It is also confirmed that the information transferred to PDD version 04 is materially the same as that in the registered PDD.

D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	<p>According the applied methodology AR-AM0003 /20/ para 2.2.4 the verification and certification shall be carried out every five years after the first verification until the end of the crediting period, monitoring interval may be less than five years. The monitoring related to the first verification was carried out between February to March 2012 (monitoring period 01/12/2006 – 01/12/2011) and the monitoring for the actual monitoring period 02/12/2011 – 01/12/2017 is carried out between January to February 2018, more than five years interval. According the CDM PS /24/ section 8.2, the above falls into temporary deviations from the registered monitoring plan and applied methodology, without leading to a reduction in the accuracy of the calculation of GHG removals, thus it is not requested to apply conservative assumptions or discount factors to the calculations, because the GHG removals are not overestimated as a result of the deviation. The deviation from the registered monitoring plan is applicable to the whole monitoring period under verification.</p> <p>According the previous verification report /7/ and the registered PDD /8/ the planting activities were concluded on 31/08/2011, thus weeding is not more carried out and the related parameter is not more monitored. This is considered a permanent deviation to the registered monitoring plan from the applied methodology which does not lead the accuracy of the calculation of the GHG removals; thus it is not requested to apply conservative assumptions or discount factors to the calculations, because the GHG removals are not overestimated as a result of the deviation</p>
Findings	<p><i>The monitoring related to the first verification was carried out between February to March 2012 (monitoring period 01/12/2006 – 01/12/2011) and the monitoring for the actual monitoring period 02/12/2011 – 01/12/2017 is carried out between January to February 2018, more than five years interval. According the CDM PS /24/ section 8.2, the above falls into temporary deviations from the registered monitoring plan and applied methodology. The PP shall describe the nature, extent and duration of the non-conforming monitoring period in the monitoring report in accordance with para 232 of the CDM PS.</i></p> <p>CAR is closed.</p> <p><i>According the registered monitoring plan the weeding efficacy shall be monitored annually, but there is no evidence of the monitoring data during the actual monitoring period.</i></p> <p>CAR is closed.</p>
Conclusion	RINA confirms that the deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan in the CDM PS /24/ and it is not suitable to be submitted under request for approval since no alternative monitoring arrangements are necessary and applied

D.3. Corrections

Means of validation	NA
Findings	
Conclusion	

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

Means of validation	NA
Findings	
Conclusion	

D.5. Inclusion of a monitoring plan

Means of validation	NA
Findings	
Conclusion	

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

Means of validation	NA
Findings	
Conclusion	

D.7. Changes to the project design

Means of validation	In 2015 was built a road through strata 3 which reduced the project area by 4.07 ha deducted from strata 3 project area. The construction of the road was planned by the Government in response to community's request as also confirmed by the Head of Environment Forestry & Climate Change Office. The estimated overall lost carbon stock removal due to that is 823 tCO ₂ e per year. The specific change is identified as minor in nature as per the <i>Guidelines on accounting of specified types of changes in A/R project activities form the description in registered PDD /8/</i> . The change in the project boundary consisting in limited reduction in project area, it is considered consistent with the baseline identification and additionality demonstration made at the validation stage.
Findings	/
Conclusion	Being a minor change in A/R project it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /24/.

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

Means of validation	NA
Findings	
Conclusion	

SECTION E. Internal quality control

The draft final validation report before being submitted to the client will be subjected to an independent internal technical review to confirm that all the verification activities had been completed according to the pertinent RINA instructions.

The technical review will be performed by a technical reviewer qualified in accordance with RINA's qualification scheme for CDM validation and verification

SECTION F. Validation opinion

RINA Services Spa (RINA) has performed validation of the post registration changes reported for the project activity "Humbo Ethiopia Assisted Natural Regeneration Project" in Ethiopia, CDM Registration Reference No. 2712, for the period 02/12/2011 to 01/12/2017, with regard to the relevant requirements for CDM activities. It is RINA's opinion:

- that the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- that the revised PDD reflects the post-registration changes.

Due the nature of the post registration changes, it is confirmed that the actual post-registration changes are suitable for approval under the issuance track.

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CDM PCP	Clean Development Mechanism Project Cycle Procedure
CDM PS	Clean Development Mechanism Project Standard
CDM VVS	Clean Development Mechanism Validation Verification Standard
CER(s)	Certified Emission Reduction(s)
CL	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DBH	Diameter at breast height
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ERs	Emission Reduction(s)
FAR	Forward Action Request
FMNR	Farmer Managed Natural Regeneration
GIS	Geographic Information System
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
MR	Monitoring Report
NA	Not Applicable
PDD	Project Design Document
PE	Project emission
PP(s)	Project Participant(s)
QA/QC	Quality Assurance / Quality Control
RINA	RINA Services Spa
SS	Sectoral Scope
TA	Technical Area
TBD	To Be Defined
UNFCCC	United Nations Framework Convention on Climate Change
WV	World Vision

Appendix 2. Competence of team members and technical reviewers


RINA

CERTIFICATO DI QUALIFICA QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Rita Valoroso

è qualificato come1:
is qualified as:

CDM -TEC, -VAL, -VER, -TL
TECHNICAL REVIEWER

per le seguenti aree tecniche:
for the following technical areas:

1.2, 3.1, 13.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
3.1	Energy demand	3
13.1	Solid Waste and waste water	13

in accordo alle istruzioni della Divisione Certificazione.
in accordance with the instructions of the Certification Division.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	18-01-10	-
10	06/04/2016	Update qualification TA 3.1

Il Resp. QPT
Head of QPT

Roma Severino

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS: Gold Standard
SCS: SocialCarbon Standard
JI: Joint Implementation

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports



RINA

**CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Daria Maso

è qualificato come¹:
is qualified as:

CDM-TEC

per le seguenti aree tecniche:
for the following technical areas:

14.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
14.1	Afforestation and reforestation	14

in accordo alle istruzioni della Divisione Certificazione.
in accordance with the instructions of the Certification Division.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	29/09/2017	First issue

Il Resp. QPT
Head of QPT

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
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RINA

**CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Rekha Menon

è qualificato come¹:
is qualified as:

**CDM-TEC, -VAL, -VER, -TL
ITRP**

per le seguenti aree tecniche:
for the following technical areas:

1.2, 2.1, 13.1, 13.2, 14.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
2.1	Energy Demand	2
13.1	Solid Waste and wastewater	13
13.2	Manure	13
14.1	Afforestation and reforestation	14

in accordo alle istruzioni dell'unità Sostenibilità & Cambiamenti Climatici.
in accordance with the instructions of the Sustainability & Climate Change Unit.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	06-03-2008	-
11	31/03/2017	Update qualification as ITRP

Il Resp. QPT
Head of QPT

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
DET: Determiner

CDM: Clean Development Mechanism
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GS: Gold Standard
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RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

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Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	World Ethiopia Vision	Monitoring Report Humbo Ethiopia Assisted Natural Regeneration Project.	Version 1 of 14/03/2018 Version 2 of 30/04/2018 Version 3 of 30/04/2018	PP
2	World Ethiopia Vision	Humbo Leakage Monitoring Data.xls	20/03/2018	PP
3	World Ethiopia Vision	Project Area Data Sheet 2018.xls Project Area Data Sheet 2018 v2.xls	20/03/2018 02/05/2018	PP
4	World Ethiopia Vision	QAQC Data Sheet 2018.xls	20/03/2018	PP
5	World Ethiopia Vision	Sample Size Determination.xls Sample Size Determination v2.xls	20/03/2018 30/04/2018	PP
6	World Ethiopia Vision	Tropical Dry Allometric Equation Dataset.xls	20/03/2018	PP
7	Tuv Nord Cert GmbH	Verification Report 1 st Periodic	No. 8000393302-11/19 of 29/06/2012	Others
8	World Ethiopia Vision	PDD	Version 03 of 19/06/2009	Others
9	World Ethiopia Vision	Social Aspects during pre-feasibility & social mitigation action plan	Version of 05/05/2009	Others
10	Beyene Kebebe	Results of consultations with Communities	21/04/2006	Others
11	World Australia Vision	Forest fire management plan	June 2007	Others
12		Confirmation of land user right certificate	106/3646/2007 of 06/08/2007	Others
13	World Ethiopia Vision	Annex 8 GPS map.xla	Annex 8 of the PDD	Others
14	The World Bank – Carbon Finance Unit	Operation monitoring plan	Version of 05/2009	Others
15	JACO CDM LTD	Validation Report	No. GR09W0008D of 07/12/2009	Others
16	World Ethiopia Vision	CDM Operations Plan	Version of 14/03/2018	PP
17	World Ethiopia Vision	Report on quality control process	Version of February 2018	PP
18	World Ethiopia Vision	Fuel wood utilization, leakage, monitoring Report	Version of 12/2017	PP
19	World Ethiopia Vision	Report on new road paved	Version of 03/2016	PP
20	CDM Executive Board	AR-AM0003 Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing.	Version 04 of 26/09/2008	Others
21	CDM Executive Board	Guidelines on application of specified versions of A/R CDM methodologies in verification of	EB63 Annex 26 Version 01.0 of 29/09/2011	Others

		registered A/R CDM project activities.		
22	CDM Executive Board	Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents.	EB63 Annex 27 Version 01.0 of 29/09/2011	Others
23	CDM Executive Board	Monitoring report form for CDM project activity (CDM-MR-FORM)	Version 06.0 of 07/06/2017	Others
24	CDM Executive Board	CDM project standard for project activities	Version 01.0 of 03/03/2017	Others
25	CDM Executive Board	Sampling and surveys for CDM project activities and programme of activities.	Version 07.0 of 13/09/2012	Others
26	CDM Executive Board	A/R Methodological tool Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities.	Version 01.0.0 of 25/11/2011	Others
27	CDM Executive Board	CDM validation and verification standard for project activities.	Version 01.0 of 03/03/2017	Others
28	Web site	Sample size calculator http://www.calculator.net/sample-size-calculator.html	English language – website visited on 28/03/2018.	Others
29	World Ethiopia Vision	Field measurements sheets	January-February 2018	PP
30	World Ethiopia Vision	Humbo site strata map and sample plot	January 2018	PP
31	World Ethiopia Vision	Reforestation and forestation management practices carried out from 2012 to 2018 (pruning activities)	January 2018	PP
32	World Ethiopia Vision	Humbo FMNR fuel wood data collection sheets	2012-2018	PP
33	World Australia Vision	Sample Plot Data - Biomass - AR-AM0003 V1 Feb 2018.xlsx Sample Plot Data - Biomass - AR-AM0003 V2 April 2018.xlsx Sample Plot Data - Biomass - AR-AM0003 V3 May 2018.xlsx	Version of 20/03/2018 Version of 30/04/2018	PP
34	Fantu W., A.A. Nuruddin, F.A. Haris, A.R. Ab-Malik	Above ground biomass equations for selected Eucalyptus species in Ethiopia	2010	Others
35	Gil L, W. Tadesse, E. Tolosana, R. Lopez (eds)	Eucalyptus species management, history, status and trends in Ethiopia. Proceedings from the congress held in Addis Ababa	2010	Others
36	Jangra R., S.R. Gupta, R. Kumar, G. Singh	Carbon sequestration in the Grevillea robusta plantation on a reclaimed sodic soil at Karnal in Northern India, International Journal of Ecology and Environmental Sciences 36 (1): 75-86	2010	Others
37	World Ethiopia Vision	Monitoring Report 1 st monitoring period	Version 1 of 12/01/2012	Others
38	FAO Forestry Department	National forest inventory - Field manual template Working Paper 94/E	2004	Others
39	CDM Executive Board	Guidelines and surveys for CDM project activities and PoAs	Version 04.0 of 16/10/2015	Others

CDM-PRCV-FORM

40	Forestry Commission	Humbo Carbon Project Kebeles' Livestock Population Data of 2017	2017	PP
41	World Vision Ethiopia	Strata1_boundary coordinates 16 Dec 2011.xls	2011	PP
42	GARMIN	GARMIN GPS72 Owner's manual & reference guide (English language) https://static.garmincdn.com/puma/c/GPS72_OwnersManual.pdf	September 2002	Other
43	World Vision Ethiopia	PDD	Version 04 of 31/10/2018	PP

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

Table 1. CLs from this validation

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

Table 2. CARs from this validation

CAR ID	1	Section no.	D.2	Date: 21/04/2018
Description of CAR				
<p>The monitoring related to the first verification was carried out between February to March 2012 (monitoring period 01/12/2006 – 01/12/2011) and the monitoring for the actual monitoring period 02/12/2011 – 01/12/2017 is carried out between January to February 2018, more than five years interval. According the CDM PS /24/ section 8.2, the above falls into temporary deviations from the registered monitoring plan and applied methodology. The PP shall describe the nature, extent and duration of the non-conforming monitoring period in the monitoring report in accordance with para 232 of the CDM PS.</p>				
Project participant response				Date: 02/05/2018
<p>The project participant requests a temporary deviation to the PDD and Monitoring plan as both state that monitoring shall be conducted every 5 years, however for Monitoring Period 2 it has been almost 6 years since the last monitoring period. The temporary delay in monitoring was due to aligning with the CER delivery schedule in the Emission Reduction Purchase Agreement with the World Bank's Carbon Fund. Given the temporary deviation to the monitoring period has occurred in the second monitoring period of the 30-year crediting period for this project, the project participant believes this will not result in an increase in emission reductions for this project as calculated ex-ante in the PDD and therefore is considered conservative.</p>				
Documentation provided by project participant				
DOE assessment				Date: 02/05/2018
<p>The monitoring related to the first verification was carried out between February to March 2012 (monitoring period 01/12/2006 – 01/12/2011) and the monitoring for the actual monitoring period 02/12/2011 – 01/12/2017 is carried out between January to February 2018, more than five years interval. The above falls into temporary deviations from the registered monitoring plan and applied methodology, without leading to a reduction in the accuracy of the calculation of GHG removals, thus it is not requested to apply conservative assumptions or discount factors to the calculations, because the GHG removals are not overestimated as a result of the deviation. The deviation from the registered monitoring plan is applicable to the whole monitoring period under verification.</p> <p>RINA confirms that the deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan in the CDM PS /24/ and it is not suitable to be submitted under request for approval since no alternative monitoring arrangements are necessary and applied.</p>				
CAR1 is closed.				

CAR ID	2	Section no.	D.2	Date: 21/04/2018
Description of CAR				
According the registered monitoring plan the weeding efficacy shall be monitored annually, but there is no evidence of the monitoring data during the actual monitoring period.				
Project participant response				Date: 02/05/2018
According to the Forest Management Plan weeding is to be carried out in the plantation areas (and not natural regeneration areas) 2 months after seedlings have been planted. As final planting activities were concluded on 31 August 2011 no weeding has been carried out during the second monitoring period and therefore no data is available for weeding efficacy from 2012 to 2017.				
Documentation provided by project participant				
DOE assessment				Date: 02/05/2018
According the previous verification report /7/ and the registered PDD /8/ the planting activities were concluded on 31/08/2011, thus weeding is not more carried out. This is considered a permanent deviation to the registered monitoring plan from the applied methodology which does not lead the accuracy of the calculation of the GHG removals; thus it is not requested to apply conservative assumptions or discount factors to the calculations, because the GHG removals are not overestimated as a result of the deviation. RINA confirms that the deviation complies with the relevant requirements related to the permanent deviation of the registered monitoring plan in the CDM PS /24/ and it is not suitable to be submitted under request for approval since no alternative monitoring arrangements are necessary and applied. CAR2 is closed.				

Table 3. FARs from this validation

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

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Document information

Version	Date	Description
02.0	31 October 2017	Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory		
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