

Project Design Document – Key Components & Template

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What is a CDM-PDD

- key document involved in the validation and registration of a CDM project activity.
- one of the three documents required for a CDM project to be registered, along with the validation report and the letter of approval
- Specific PDDs exist for different project types:
 - **Large-scale** project activities (CDM-PDD)
 - **Small-scale** project activities (CDM-SSC-PDD)
 - **Afforestation and reforestation** project activities (CDM-AR-PDD)
 - **Small-scale afforestation and reforestation** project activities (CDM-SSC-AR-PDD)
 - **Programmes of Activities** (CDM-POA-DD) and **CDM Programme Activities** (CDM-CPA-DD)

Completing the PDD – Points to Note

- Using the **correct** PDD template
- **Latest** PDD templates can be downloaded from **UNFCCC website** (http://cdm.unfccc.int/Reference/PDDs_Forms/PDDs/index.html)
- **No alteration** of the template – including format, font, headers & logo
- **Concise & precise** information under each section
- Additional **appendices** included as appropriate
- **Quality assurance** check prior submission to DOE

CDM PDD –Contents

- Project Description & establishment of Project Boundary
- Description of baseline methodology
- Duration and crediting period
- Description of Project Additionality
- Environmental impacts
- Sources of public funding, if any
- Stakeholder consultation & comments
- Description of monitoring plan
- Annexes & Calculations

CDM PDD Template Contents

- **The CDM PDD is divided into 5 sections:**
 - Section A - **General description** of the project activity;
 - Section B - Application of a **baseline** and **monitoring methodology**
 - Section C - **Duration** of the project / **crediting period**
 - Section D - **Environmental** impacts
 - Section E - **Stakeholder** comments
- **Attachments to the CDM PDD:**
 - Annex 1 - **Contact information** on participants in the project activity
 - Annex 2 - Information on **public funding**
 - Annex 3 - **Baseline** information
 - Annex 4 - **Monitoring** information

CDM PDD Section A – General Description of Project Activity

➤ A.1. Title of the project activity

- **Title** of the project activity
- **Version number** of the document
- **Date**

➤ A.2. Description of the project activity

- **Purpose** of the project activity
- How does the proposed activity **reduces GHG** emissions (technology employed, measures undertaken etc)
- Contribution to **sustainable development**

CDM PDD Section A – General Description of Project Activity

➤ A.3. Project Participants:

- List **project participants** and **Party(ies)** involved
- **contact information** in Annex 1
- Information indicated using the following format

Name of Party involved (* ((host) indicates a host Party)	Private and/or public entity(ies) Project participants(*) (as applicable)	Kindly indicate if the Party involved wishes to be considered as project participant
Name	Private/Public Entity	Yes
Name	None	No

CDM PDD Section A – General Description of Project Activity

➤ A.4. Technical Description of the project activity:

☐ A.4.1 Location of the project activity

✓ A.4.1.1 **Version number** of the document

✓ A.4.1.2 Region/State/Province etc.

✓ A.4.1.3 City/Town/Community etc.

✓ A.4.1.4 Details of **physical location**, including information allowing the unique identification of this project activity (maximum one page)

CDM PDD Section A – General Description of Project Activity

□ A.4.2 Category(ies) of project activity

- **List** of categories - UNFCCC CDM website
- **specify** the category(ies) of project activities into which this project activity falls
- If no suitable category(ies) of project activities can be identified, suggest **a new category(ies)** descriptor and its definition

□ A.4.3 Technology to be employed by the project activity

- description of technology to be used and mode of **technology transfer** the host Party(ies)

CDM PDD Section A – General Description of Project Activity

□ A.4.5 Public funding of the project activity

- **sources** of public funding for the project activity from Parties included in Annex I
- funding does not result in a **diversion** of official development assistance

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.1. Title and reference of the approved baseline and monitoring methodology applied to the project activity
 - Approved Methodologies (including methodology booklet)-
<http://cdm.unfccc.int/methodologies/index.html>
 - Indicate the **methodology and version** including the methodological tools used
- B.2. Justification of the choice of the methodology and why it is applicable to the project activity
 - showing that the proposed project activity **meets the applicability conditions** of the methodology
 - **References** to documentations used (details in Annex 3 of PDD)

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.3. Description of the sources and gases included in the project boundary
 - emission **sources and gases** that are **included** in the project boundary for calculating project emissions and baseline emissions
 - In cases of methodology allowing PP to choose the gases to be included – inclusion needs to be explained & justified

	Source	Gas	Included/Excluded
Baseline	Project Activity	CO ₂	Included
		CH ₄	Excluded
		N ₂ O	Excluded
Project Activity		CO ₂	Excluded
		CH ₄	Excluded
		N ₂ O	Excluded

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.4. Description of how the baseline scenario is identified and description of the identified baseline scenario
 - Detailed explanation of the procedure, steps followed in identifying the **most plausible** baseline scenario
 - Key **assumption and rationales** including relevant documentation & references
 - Transparent & detailed description of identified baseline scenario
 - What technology/activity would have been implemented in the **absence** of the proposed project activity

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.5. Description of how the anthropogenic emissions of GHG by sources are reduced below those that would have occurred in the absence of the registered CDM project activity (assessment and demonstration of additionality)
 - **How** and **why** this project activity is additional as per the selected baseline methodology
 - For procedures involving steps – detailed description of **application** of steps and **outcomes**
 - Barrier analysis – **selection** of most relevant barriers
 - Key **assumption** and **rationales** including relevant documentation & references
 - **Prior** consideration of CDM

CDM PDD Section B – Application of Baseline & Monitoring Methodology

B.6. Emission Reductions

□ B.6.1 Explanation of methodological choices

- Explanation of **methodological application procedures** to calculate project emissions, baseline emissions, leakage emissions and emission reductions
- **Equations** to calculate emission reductions
- **Justification** of methodological choices (scenario selection, default values etc)

□ B.6.2. Data and parameters that are available at validation

- Data & Parameters not monitored during crediting period but are **available** at validation (measured/IPCC)

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.6.3 Ex-ante calculation of emission reductions
 - Provide **ex-ante** calculation of project emissions, baseline emissions and leakage emissions
 - Application of all **relevant equations** in the methodology
 - **Document** how each equation is applied
 - Additional **background information/data** in Annex 3 (Spread sheets etc)

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.7. Application of the monitoring methodology and description of the monitoring plan
 - B.7.1 Data and parameters monitored
 - How the data and parameters that need to be monitored would **actually be collected** ; source(s) of data
 - measurement **methods** and **procedures**, applicable **standards**, equipment used, **calibration** procedures
 - **Accuracy** & **frequency** of measurement
 - QA & QC Procedures

CDM PDD Section B – Application of Baseline & Monitoring Methodology

- B.7.2. Description of the monitoring plan
 - Detailed **description** of the monitoring plan
 - **Operational** and **management** structure for monitoring
 - **Responsibilities** and **institutional** arrangements for data collection and archiving
 - Relevant further **background information** in Annex 4
- **B.8. Date of completion of the application of the baseline study and monitoring methodology and the name of the responsible person(s)/entity(ies)**

CDM PDD Section C – Duration of the project activity / crediting period

➤ C.1. Duration of the project activity

☐ C.1.1 Starting date of the project activity

- Date on which the **implementation** or **construction** or **real action** of a project activity begins

☐ C.1.2 Expected operational lifetime of the project activity

➤ C.2. Choice of the crediting period and related information

- whether the project activity will use a **renewable** or a **fixed** crediting period

CDM PDD Section C – Duration of the project activity / crediting period

- ❑ C.2.1 Renewable crediting period
 - Each crediting period of **7 years**
 - Renewed at most **twice**; for each renewal- the validity of original baseline **determined/updated** by DOE and informed to EB
- ✓ C.2.1.1 Starting date of the first crediting period
- ✓ C.2.1.2 Length of the first crediting period
- ❑ C.2.2 Fixed crediting period
 - At most **10 years**
- ✓ C.2.2.1 Starting date
- ✓ C.2.2.2 Length

CDM PDD Section D – Environmental Impacts

- D.1. Documentation on the analysis of the **environmental impacts**, including **trans-boundary impacts**
 - Appropriate documentation
- D.2. If environmental impacts are considered significant by the project participants or the host Party, please provide **conclusions** and all references to support documentation of an **environmental impact assessment** undertaken in accordance with the procedures as required by the host Party

CDM PDD Section E – Stakeholders Comments

- E.1. Brief description how comments by local stakeholders have been invited and compiled
 - **Process** of stakeholder consultation (invitation, publicity etc)
 - Stakeholder **meeting report**
- E.2. Summary of the comments received
 - Identification of stakeholders making comments
 - **Summary** of comments
- E.3. Report on how **due account** was taken of any comments received

CDM PDD – Annex 1

➤ CONTACT INFORMATION ON PARTICIPANTS IN THE PROJECT ACTIVITY

Organization:	
Street/P.O.Box:	
Building:	
City:	
State/Region:	
Postcode/ZIP:	
Country:	
Telephone:	
FAX:	
E-Mail:	
URL:	
Represented by:	
Title:	
Salutation:	
Last name:	
Middle name:	
First name:	
Department:	
Mobile:	
Direct FAX:	
Direct tel:	
Personal e-mail:	

CDM PDD – Annex 2

➤ INFORMATION REGARDING PUBLIC FUNDING

- sources of public funding for the project activity from **Parties included in Annex I**
- Affirmation that funding does not result in a **diversion** of official development assistance

CDM PDD – Annex 3

➤ BASELINE INFORMATION

- any further **background information** used in the application of the baseline methodology
- may include tables with **data**, documentation of **measurement results** and data sources, etc

CDM PDD – Annex 4

➤ MONITORING INFORMATION

- any further **background information** used in the application of the monitoring methodology
- may include tables with **data**, documentation of **monitored results** and data sources, etc

THANK YOU