**RESTART ENERGY DEMOCRACY CARBON STANDARD**

**Project Design Document and First Monitoring**

Date: 30th January 2023

Version 1.0

[1. INITIAL ASSESSMENT 4](#_heading=h.7kjxj22xutdn)

[1.1 GENERAL PROJECT INFORMATION 4](#_heading=h.bm7u7zioazzd)

[1.2 ABOUT THE PROJECT 8](#_heading=h.ri3keo597wkn)

[1.3 PROJECT ACTIVITY DESCRIPTION 8](#_heading=h.p1h4ow64po43)

[1.4 TECHNOLOGY USED IN THE PROJECT ACTIVITY 8](#_heading=h.rc5iwm150uot)

[1.5 PROJECT LOCATION 9](#_heading=h.qdpefglv68bd)

[1.5.1 PROJECT LOCATIONS FOR GROUP PROJECTS 9](#_heading=h.lsexdy65vlwd)

[1.6 PROJECT START DATE 10](#_heading=h.6uhlq6pj26jm)

[1.7 PROJECT CREDITING PERIOD 10](#_heading=h.2a8hznnkoau5)

[1.8 ELIGIBILITY WITH THE STANDARD 10](#_heading=h.rf5eksb66pyo)

[1.8.1 PERMANENCE OF THE PROJECTS 10](#_heading=h.b8k6pf4rm1ld)

[1.8.2 COMPLIANCE WITH LAWS, STATUTES OR OTHER REGULATORY FRAMEWORKS 10](#_heading=h.lf9vx6r0yt)

[1.8.3 CORRESPONDING ADJUSTMENTS 10](#_heading=h.dn3hnrw27lc)

[1.8.3.1 Projects registered (or applying for registration) under Other GHG Program 11](#_heading=h.8wul7oeq6p5i)

[1.8.3.2 Projects rejected by Other GHG Program 11](#_heading=h.dwdknsey1t3u)

[1.8.3.3 Other forms of credit in the host country (Emission Trading Programs, Other Binding limits, Environmental credit etc.) 11](#_heading=h.947emjwu95jv)

[1.9 REQUEST FOR EXEMPTIONS 11](#_heading=h.q7uz8r51nnai)

[2. VALIDATION 11](#_heading=h.3t3n5pr356ek)

[2.1 PUBLIC CONSULTATION AND STAKEHOLDERS MEETING 11](#_heading=h.3t1e6g7nrbaq)

[2.1.1 PUBLIC CONSULTATION FOR MICRO-SCALE PROJECTS 11](#_heading=h.iv54heak2mo8)

[2.1.2 STAKEHOLDERS MEETING 12](#_heading=h.27kuvdpg5876)

[2.1.3 GRIEVANCE MECHANISM 16](#_heading=h.khnv3x213use)

[2.2. METHODOLOGY 17](#_heading=h.8p7nq8gbp3v1)

[2.2.1 TITLE AND REFERENCE(s) 17](#_heading=h.q8x3kz3wk5yc)

[2.2.2 ELIGIBILITY 17](#_heading=h.iqbcsi174f2e)

[2.2.3 PROJECT BOUNDARY 17](#_heading=h.9tzzsxvesl8)

[2.2.3.1 Scheme/diagram or map of the project boundary 18](#_heading=h.pml72i2ne60o)

[2.2.4 BASELINE SCENARIO 19](#_heading=h.d0busyhzm1n)

[2.3 ADDITIONALITY 19](#_heading=h.nc19owsnvljd)

[2.3.1. Automatically additional 19](#_heading=h.2cctu96vwfqh)

[2.3.2. Demonstrate the additionality 20](#_heading=h.ln9qf0ru9upg)

[2.4 METHODOLOGY DEVIATIONS 20](#_heading=h.sbn3r82tf0j2)

[2.5 EQUATION USED IN THE CALCULATION OF GHG EMISSIONS REDUCTION/REMOVALS 20](#_heading=h.pufk3k7ivowl)

[2.5.1 BASELINE EMISSIONS CALCULATION 20](#_heading=h.kg15fqignx1u)

[2.5.2 PROJECT EMISSIONS CALCULATION 21](#_heading=h.t1pv1a1aq9le)

[2.5.3 LEAKAGE EMISSION 21](#_heading=h.gks4z2ryi58z)

[2.5.4 RESULTS OF THE ESTIMATION OF GHG EMISSIONS REDUCTION/REMOVALS 21](#_heading=h.ok5e1hhiexht)

[2.6 DATA AND PARAMETERS AVAILABLE AT VALIDATION 22](#_heading=h.wxnbjg4bvh91)

[2.7 DO NO-HARM ASSESSMENT 23](#_heading=h.fkvvitlj5nqx)

[2.8 SDG INDICATORS 24](#_heading=h.4y01g9xhp1xw)

[3. FIRST MONITORING PARAMETERS AND INDICATORS 25](#_heading=h.en33f4cau761)

[3.1 BASELINE EMISSIONS 25](#_heading=h.wua0ojub0h32)

[3.2 PROJECT EMISSIONS 26](#_heading=h.n8pn9o6ffome)

[3.3 LEAKAGE 27](#_heading=h.605uifgpsblo)

[3.4 NET GHG EMISSIONS REDUCTIONS/REMOVALS 28](#_heading=h.qgwunx1scdi6)

[3.5 SDG INDICATORS MONITORED 29](#_heading=h.lcptov4j98v7)

[APPENDIX 31](#_heading=h.gw5n84c6ufyf)

[DOCUMENT UPDATE 44](#_heading=h.686m60jbpszb)

# **INITIAL ASSESSMENT**

## **1.1 General Project Information**

|  |  |
| --- | --- |
| The official name of the project |  |
| The ID of the project | To complete after the project is listed in the register |
| Date of the First Submission | Click or tap to enter a date. |
| The date when the project implementation started or is estimated to start  | Start date of the project: Click or tap to enter a date. |
| Version number of the PDD | *Version number of this document* |
| Date of issue of the PDD | Click or tap to enter a date. *this version of the document issued* |
| Project Developer |  |
| Project Representative |  |
| Project Participants and any communities involved |  |
| Type project | [ ]  Regular[[1]](#footnote-2)[ ]  Retroactive[[2]](#footnote-3) |
| [ ]  Micro-scale[ ]  Small-scale[[3]](#footnote-4)[ ]  Large-scale |
| [ ]  The project includes a single location/ installation[ ]  The project includes multiple location but not being developed as a group project [ ]  The project is a grouped project  |
| Methodology(ies) applied and version number | Complete the name of methodology(ies) used |
| The location of the project[[4]](#footnote-5) | Country: Region: City:  |
| Type of the project | [ ] Energy industries (renewable - / non-renewable sources)[ ] Energy distribution[ ] Energy demand[ ] Manufacturing industries[ ] Chemical industries[ ] Construction[ ] Transport[ ] Mining/mineral production[ ] Metal production[ ] Fugitive emissions from fuels (solid, oil and gas) [ ] Fugitive emissions from production and consumption of halocarbons and sulphur hexafluoride[ ] Solvent use[ ] Waste handling and disposal[ ] Afforestation and reforestation[ ] Agriculture[ ] OtherPlease specify ......................................................... |
| Available programs | Programs: Choose an item |
| Sustainable Development Goals (SDGs) of the UN that apply to the project | [ ]  SDG 1. No poverty [ ]  SDG 2. Zero hunger[ ]  SDG 3. Good health and well-being [ ]  SDG 4. Quality education [ ]  SDG 5. Gender equality [ ]  SDG 6. Clean water and sanitation [ ]  SDG 7. Affordable and clean energy [ ]  SDG 8. Decent work and economic growth[ ]  SDG 9. Industry, innovation and infrastructure [ ]  SDG 10. Reduce inequalities [ ]  SDG 11. Sustainable cities and communities[ ]  SDG 12. Responsible consumption and production [ ]  SDG 13. Climate action[ ]  SDG 14. Life below water[ ]  SDG 15. Life on land [ ]  SDG 16. Peace, justice and strong institutions[ ]  SDG 17. Partnership for the Goals |

|  |
| --- |
| Project owner details |
| Company name |  |
| Identification number |  |
| VAT code |  |
| Company website |  |
| Please prepare the following documents | * *Registration certificate*
* *Project Administration Empowerment*
* *ID card of the company owner or stakeholder*
 |
| Please select one of the following company types | [ ]  Start Up[ ]  Small / Medium Enterprise[ ]  Corporation[ ]  Nonprofit Organization*Please prepare a digital file with your company’s logo and inserted below.*  |

*Multiply and complete the table below with the information of the project participants or other entities involved in the development of the project.*

|  |
| --- |
| Project Participants or other entities involved in the development of the project |
| Organisation name |  |
| Role in the project  | *For other entities involved*  |
| Contact person |  |
| Title |  |
| Address |  |
| Country |  |
| Telephone |  |
| Email |  |
| Website |  |

Carbon emission savings estimated or calculated

|  |  |  |
| --- | --- | --- |
| Period of time | Net estimated emissions reduction/removals[[5]](#footnote-6) (tCO2e) | Net verified emission reduction/ removals[[6]](#footnote-7) (tCO2e) |
| Year 1 (Click or tap to enter a date. – Click or tap to enter a date.)  |  |  |
| Year 2 |  |  |
| Year 3 |  |  |
| ……….. |  |  |
| Total  |  |  |

Project Links

* Links of the project / organisation page/Other link of the projects

|  |
| --- |
| *Insert the link of the project created on the website of the organisation.*  |

Company Logo

*Insert the logo of the organisation.*

## **1.2 About the Project**

*Please provide:*

* *a project motto (if you have one, we’ll broadcast it to the world)*
* *a summary description of the project activity*
* *the problem that project activity solve and the importance of it*
* *how the project activity is expected to generate GHG emission reduction/removals*
* *a brief description about the Sustainable Development contributions (a summary description of the project activity that results in sustainable development contributions, how the project contributes to achieving any nationally stated sustainable development priorities etc.)*

## **1.3 Project Activity Description**

*Describe the project activity, you can use the flux diagram or other instruments to describe it.*

*Provide a minimum of 4 photos of the project and 1 video.*

## **1.4 Technology Used in The Project Activity**

*Describe the technology used in the project activity, provide photos of the technology, information about the productivity or other useful information explained below.*

*For non-AFOLU projects:*

*Include a list and the arrangement of the main manufacturing/production technologies, systems and equipment involved. Include in the description information about the age and average lifetime of the equipment based on manufacturer’s specifications and industry standards, and existing and forecast installed capacities, load factors and efficiencies.*

*Where appropriate, provide a list of facilities, systems and equipment in operation under the existing scenario prior to the implementation of the project.*

*For AFOLU projects:*

*For all measures listed, include information on any conservation, management or planting activities, including a description of how the various organisations, communities and other entities are involved*

*In the description of the project activity, state if the project is located within a jurisdiction covered by a jurisdictional REDD+ program.*

## **1.5 Project Location**

*Provide details of the physical/geographical location of the project activity, including physical address (host country, region/state/province, city/town/community, street name and number) and a map, and if necessary, other information allowing for the unique identification of the project activity (e.g. geographic coordinates).*

| *Physical address* | *Geographic coordinates/Other information* |
| --- | --- |
|  |  |
| *Map* |
| *Please insert a picture map and/or the google link:*  |

### 1.5.1 PROJECT LOCATIONS FOR GROUP PROJECTS[[7]](#footnote-8)

*Provide the geographic boundary.*

*Provide the coordination for initial locations.*

## **1.6 Project Start Date[[8]](#footnote-9)**

*For retroactive projects indicate the project start date, specifying the day, month and year and provide justification for it.*

*For regular projects indicate the estimated start date and complete this section after the official commissioning document was signed.*

## **1.7 Project Crediting Period**

*Indicate the project crediting period, specifying the day, month and year and the total number of years according to the type of the project. Provide the proof of the start date of the project.*

## **1.8**  **Eligibility with the Standard**

*Describe and justify how the project is eligible under the RED Carbon Standard complete the following chapters:*

## 1.8.1 PERMANENCE OF THE PROJECTS

*Explain how the non-AFOLU project meets the requirements of the permanence of the project of 15 years.*

*In the case of AFOLU projects, the permanence of the project is 50 years. Explain how the requirement is met.*

## 1.8.2 COMPLIANCE WITH LAWS, STATUTES OR OTHER REGULATORY FRAMEWORKS

*Identify and demonstrate compliance of the project with all and any relevant local, regional and national laws, statutes and regulatory frameworks*

## 1.8.3 CORRESPONDING ADJUSTMENTS

*Complete the CA’s declaration and upload this document with “Initial Assessment” of the PDD and until the PDD is loaded with “Monitoring and Verification” stage completed, provide the proof of sending the CA’s declaration to the RED Carbon Standard by RED Platform Application or via E-mail.*

### 1.8.3.1 Projects registered (or applying for registration) under Other GHG Program

*Provide the registration number (when applicable) and details where the project has been registered under any other GHG Program.*

### 1.8.3.2 Projects rejected by Other GHG Program

*Provide the relevant information, including the reason(s) for the rejection and justification of eligibility under the RED Carbon Standard.*

### 1.8.3.3 Other forms of credit in the host country (Emission Trading Programs, Other Binding limits, Environmental credit etc.)

* *Indicate if the project reduces GHG emission from activities that are included in an emission trading program or any mechanism that includes GHG allowance trading. If yes, please provide the name of the emission trading program or other mechanism that allows GHG allowance trading.*
* *Indicate whether the project has sought or received another form of GHG-related environmental credit, including renewable energy certificates. Include all relevant information about the GHG-related environmental credit and the related program.*
* *List all other programs under which the project is eligible to participate (to create another form of GHG-related environmental credit).*

## **1.9 Request for Exemptions**

*Provide relevant information to explain the reason for the exemptions required, if applicable. Until the last step “Monitoring and Verification” is verified please complete and upload the form “Request for exemptions” and provide the proof of sending this form to the RED Carbon Standard by RED Platform Application or via E-mail.*

# **VALIDATION**

## **2.1 Public Consultation and Stakeholders Meeting**

### 2.1.1 PUBLIC CONSULTATION FOR MICRO-SCALE PROJECTS

*For projects activities that use technologies that are included in the "Positive List of Technologies" (CDM TOOL 32) and for which the Additionality Methodology Tool for micro-scale projects (< 20 000 tCO2/year) applies, public consultation starts as soon as the project is listed in the RED Platform registry.*

*On the project page of the RED Platform registry, stakeholders have the opportunity to express their views for 30 days, and the project developer must provide proof that it has notified stakeholders of this certification through at least two of, but not limited to, the following options: a notice placed at the project site, emails, newspaper ads, online ads, a dedicated page on the website. The notice should include the title of the project, the period during which the project is in public consultation, the reason for the public consultation and details of the grievance mechanism. The project Developer shall include stakeholders’ feedback into the next Annual Verification Report.*

1. Provide the start date of the public consultation[[9]](#footnote-10)

Click or tap to enter a date.

1. Project developer must provide proof that it has notified stakeholders of this certification through at least two of, but not limited to, the following options: a notice placed at the project site, emails, newspaper ads, online ads, a dedicated page on the website.

### 2.1.2 STAKEHOLDERS MEETING

1. Date of the physical or online meeting

Click or tap to enter a date.

1. How was identified the local stakeholders likely impact by the project

*Provide explanations about the criteria that the project developer used to invite the stakeholders.*

1. A list with the stakeholders invited

*Complete the table below with the information of the stakeholders invited.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of stakeholder | Organisation | Male/Female | Method of invitation | Date of invitation |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

*Insert in the table how many rows do you need to complete all the stakeholders.*

1. The proof that they were invited (emails, newspaper notice, online ads etc)

*Provide the proof that the emails were sent, the notice in the newspaper, public notice where the project will be implemented etc.*

1. A description of the social, economic and cultural diversity of the stakeholders.

*Provide a description of the diversity stakeholders invited (example: local people, communities and/or representatives who are expected to be directly or indirectly affected by the project or may have an interest in the project, marginalised individuals and groups, local authorities, national government officials, local non-governmental organisation, women groups, RED Standard representative etc)*

1. The list with stakeholders presents at the meeting (use the template from the website “List of presence signed on the stakeholders meeting”)

*Insert the list signed from the physical meeting or the proof with the list of participants from the online meeting and complete the table below:*

|  |  |  |  |
| --- | --- | --- | --- |
| Name of stakeholder | Organisation | Job/position in the community | Male/Female |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*Insert in the table how many rows you need.*

1. Pictures from the meeting or the proof that the online meeting took place

*Insert the pictures or the proof that the online meeting took place.*

1. A summary how the meeting went

*Minutes of the meeting were to present what the project developers presented to the stakeholders; Insert pictures from the presentation or other instruments that the project developers used to explain the project.*

1. The feedback received from the public consultation and stakeholder meeting and how the comments were resolved.

|  |  |  |
| --- | --- | --- |
| Stakeholder Name  | Stakeholder Feedback | Explanation/Justification (Why? How?)  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

*Insert how many rows to complete the all stakeholder feedback that the project received from the public consultation and stakeholder meeting.*

1. The Do No-Harm Assessment was presented on the meeting

*Insert the proof that the Do no-harm assessment principles described at II.4 were presented and discussed in the meeting.*

1. The SDGs indicators that will be monitored in the crediting period were presented at the meeting.

*Insert the proof that the SDGs indicators described at II.6 were presented and discussed in the meeting*

1. The grievance mechanism was presented at the meeting.

*Insert the proof that the grievance mechanism was presented and discussed in the meeting.*

1. Evaluation form

*Complete the evaluation form with the answer from the stakeholders and insert the evaluation form template completed and signed after the table.*

|  |  |
| --- | --- |
| Name |  |
| Gender – Male/Female: |  |
| How did you perceive the meeting? |  |
| What are the strengths of the project? |  |
| What are the weaknesses of the project? |  |
| Signature |  |

 *Copy and insert how many tables you need to complete the all evaluation form that the project received, completed and signed.*

### 2.1.3 GRIEVANCE MECHANISM

The following grievance mechanism shall be provided to the Local Stakeholders.

|  |  |
| --- | --- |
| Method | Include all details of Chosen Method (s) so that they may be understood and, where relevant, used by readers. |
| Continuous Input / Grievance Expression Process Book (mandatory) | Expression Process Book or Grievance Register to be maintained at office of Project Proponent |
| Project Proponent office Address  Project Site Address | *Address:* *Address:* |
| RED Carbon Standard Contact (mandatory) | certification@redcarbonstandard.org |
| Telephone Access | *Company telephone:*  |
| Email Access  | *The email addresses:* |
| Internet Webpage | Feedback messages can be sent also via the web link:  |

## **2.2. Methodology**

### 2.2.1 TITLE AND REFERENCE(s)

*Write the title, references and version number of the methodology used to calculate CO2 emission reduction/removals.*

*Include the title and version number of any tools applied to the project.*

### 2.2.2 ELIGIBILITY

*Justify the choice of the selected methodology by:*

* *Demonstrating that the project meets each applicability condition of the applied methodology (typically listed the start of the methodology, copy each requirement and answer if the project is applicable)*
* *Demonstrating the project meets any additional criteria mandated on use of UNFCCC methodologies.*

### 2.2.3 PROJECT BOUNDARY

*Complete the table with the GHG sources, sinks and reservoirs for the project and baseline scenarios (including leakage, if applicable) and define the project boundary in the form of the scheme/diagram or map of the project boundary at the point 2.3.3.4:*

Table emissions from Baseline and Project

|  |  |  |  |
| --- | --- | --- | --- |
| Source | Gas | Included? | Justification/Explanation |
| Baseline emissions  | Source 1 | CO2 | Yes/No |  |
| CH4 | Yes/No |  |
| N2O | Yes/No |  |
| Other | Yes/No |  |
| Source 2 | CO2 | Yes/No |  |
| CH4 | Yes/No |  |
| N2O | Yes/No |  |
| Other | Yes/No |  |
| Project emissions  | Source 1 | CO2 | Yes/No |  |
| CH4 | Yes/No |  |
| N2O | Yes/No |  |
| Other | Yes/No |  |
| Source 2 | CO2 | Yes/No |  |
| CH4 | Yes/No |  |
| N2O | Yes/No |  |
| Other | Yes/No |  |
|  |  |  |

*Insert how many sources are needed to define the baseline emissions and project emissions.*

#### 2.2.3.1 Scheme/diagram or map of the project boundary

*Create and insert the scheme/ flow diagram or map of the project boundary based on the description provided in 1.2 Project activity description and 1.3 Technology used in the project activity.*

*For non-AFOLU projects, include in the scheme the equipment, systems and flows of mass and energy and identify the GHG emissions.*

*For AFOLU project includes the locations of where the measures are taking place, any reference areas and leakage belts.*

##

###

### 2.2.4 BASELINE SCENARIO

*Describe the baseline scenario for the project activity and explain how it is established in accordance with applicable provisions for the establishment and description of baseline scenarios in the applied methodologies, the applied standardised baselines and the other applied methodological regulatory documents.*

*Where the procedure in the applied methodologies, the applied standardised baselines and the other applied methodological regulatory documents involve several steps, describe how each step is applied and transparently document the outcome of each step. Explain and justify key assumptions and rationales. Provide and explain all data used to establish the baseline scenario (variables, parameters, data sources, etc.). Provide all relevant documentation and/or references.*

*Provide a list of facilities, systems and equipment in the baseline scenario, and clearly explain how the same types and levels of services provided by the project activity would have been provided in the baseline scenario.*

*Provide a transparent description of the baseline scenario as established above.*

*Explain how the methods or methodological steps in the applied methodologies, the applied standardised baselines and the other applied methodological regulatory documents, for calculating baseline emissions, project emissions, leakage emissions and emission reduction/removals are applied to the project activity. The equations that will be used in calculating emission reduction/removals are described in II.3 Equation used in the calculation of GHG emissions reduction/removals.*

## **2.3 Additionality**

### 2.3.1. Automatically additional

*If the project activity is a type of project activity which is deemed automatically additional, in accordance with the project standard:*

* *Specify the relevant methodologies, methodological tools, standardised baselines or specific microscale renewable technologies/measures conferring automatic additionality; and*
* *Explain how the project activity meets the criteria for automatic additionality.*

### 2.3.2. Demonstrate the additionality

*If the project activity is not a type of project activity that is deemed automatically additional, then follow the instructions below:*

*Demonstrate that the project activity is additional in accordance with the applied methodologies, the other applied methodological regulatory documents, and applicable provisions for demonstration of additionality in the project standard. Where the procedure in the applied methodologies and/or methodological tools involves several steps, describe how each step is applied and transparently document the outcome of each step. Indicate clearly the method selected to demonstrate additionality (e.g. investment analysis or barrier analysis). Present in a transparent manner, in the form or in a separate appendix, with all data used (variables, parameters, data sources, etc.), how the additionality of the project activity is demonstrated.*

## **2.4 Methodology Deviations**

*If applicable, explain any methodology exemption request and includes evidence to demonstrate the following:*

* *The exemptions required will not impact the conservativeness of the calculation of GHG emission reduction/removals.*
* *Please describe how the exception request affects the project and stakeholders.*

## **2.5 Equation Used in the Calculation of GHG Emissions Reduction/Removals**

### 2.5.1 BASELINE EMISSIONS CALCULATION

* *Insert the equation that is used in the calculation of the baseline emission from the methodology used.*
* *Explain and justify all relevant methodological choices, including:*
	+ *Where the applied methodologies, the applied standardised baselines or the other applied methodological regulatory documents include different scenarios or cases, indicate and justify which scenario or case applies to the project activity;*
	+ *Where the applied methodologies, the applied standardised baselines or the other applied methodological regulatory documents provide different options to choose from (e.g. “combined margin” under AMS-I.D, which methodological approach is used to calculate the “operating margin” in ACM0002), indicate and justify which option has been chosen for the project activity;*
* *Where the applied methodologies, the applied standardised baselines or the other applied methodological regulatory documents allow different default values (e.g. values for MCF under AMS-III.E), indicate and justify which default value has been chosen for the project activity.*

### 2.5.2 PROJECT EMISSIONS CALCULATION

* *Insert the equations that are used in the calculation of the project emission from the methodology used according with the project boundary and explain all relevant methodological choices.*

### 2.5.3 LEAKAGE EMISSION

* *Insert the equations that are used in the calculation of the leakage from the methodology used according with the project boundary and explain all relevant methodological choices.*

### 2.5.4 RESULTS OF THE ESTIMATION OF GHG EMISSIONS REDUCTION/REMOVALS[[10]](#footnote-11)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Estimated baseline emissions/removals (tCO2e) | Estimated project emissions/removals (tCO2e) | Estimated leakage emissions (tCO2e) | Estimated net GHG emission reduction/removals (tCO2e) |
| Year 1 (Click or tap to enter a date.-Click or tap to enter a date.) |  |  |  |  |
| Year 2 |  |  |  |  |
| Year 3 |  |  |  |  |
| Year 4 |  |  |  |  |
| Year 5 |  |  |  |  |
| Total  |  |  |  |  |

*Describe the procedure for quantification of net GHG emission reduction/removals. Include all relevant equations. For AFOLU projects, include equations for the quantification of net change in carbon stocks.*

*Provide the ex-ante calculation (estimate) of baseline emissions/removals, project emissions/removals, leakage emissions and net GHG emission/removals in the table below. Specify the breakdown of GHG emissions reduction/removals by calendar year.*

*For data and parameters monitored, use estimates. Document how each equation is applied, in a manner that enables the reader to reproduce the calculation. Provide example calculations for all key equations, to allow the reader to reproduce the calculation of estimated net GHG emission reduction/removals.*

## **2.6 Data and Parameters Available at Validation**

*Multiply the table below and complete for all data and parameters that are determined or available at validation and remain fixed throughout the entire project crediting period.*

*Usually, the data and parameters required are mentioned in the methodology as ex-ante parameters.*

|  |  |
| --- | --- |
| Data / Parameter |  |
| Data unit | *Indicate the unit of measure* |
| Description | *Provide a brief description of the data/parameter* |
| Source of data | *Indicate the source(s) of data* |
| Value applied | *Provide the value applied* |
| Justification of choice of data or description of measurement methods and procedures applied | *Justify the choice of data source, providing references where applicable. Where values are based on measurement, include a description of the measurement methods and procedures applied (e.g., what standards or protocols have been followed), indicate the responsible person/entity that undertook the measurement, the date of the measurement and the measurement results. More detailed information may be provided in an appendix.* |
|  Purpose of Data | *Indicate one of the following:* * *Determination of baseline scenario (AFOLU projects only)*
* *Calculation of baseline emissions*
* *Calculation of project emissions*
* *Calculation of leakage*
 |
| Comments | *Provide any additional comments* |

#

## **2.7 Do No-Harm Assessment**

*Please provide the information and documents requested by the local, regional and national laws, statutes and regulatory frameworks that apply to the project activity that is in line with the No Net Harm Principle.*

*These documents and information may include, as appropriate, but not limited to:*

* *Environmental permits or licences*
* *Environmental impact assessment and environmental management plan (if required to the project activity)*
* *Other certification of the project activity such as ISO 45001 “Occupational health & safety management system” or others.*
* *Policies for human rights, gender equity, labour or other types of policies implemented in the project activity.*
* *Anti-corruption policies*.
* *Other certifications*

*If the above does not apply to the project activity, please complete the answers in the table from Appendix 1 and explain how the project respects the Standards (UN Global Compact and UNDP Social and Environmental Standards):*

*When the project has an environmental impact assessment done or other certification, please attach it to the PDD in the Appendix.*

## **2.8 SDG Indicators**

*Using* the table *below, provide the project’s quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) for the SD contributions reporting period. Use the template of the SDG Tool (Targets and Indicators) to identify the SDG Targets to which the project has contributed.*

*To be completed only for regular projects, for retroactive projects complete the indicators monitored at point 3.5.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No of SDG | SDG Target | SDG Indicator | Estimated Annual Average  | Unit of measure |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

*Insert rows to complete all the SDG that the project activity has estimated.*

# **3. FIRST MONITORING PARAMETERS AND INDICATORS[[11]](#footnote-12)**

## **3.1 Baseline Emissions**

*Multiply the table below and complete for all measured or calculated data and parameters that are monitored in the crediting period:*

|  |  |
| --- | --- |
| Data / Parameter |  |
| Data unit | *Indicate the unit of measure* |
| Description | *Provide a brief description of the data/parameter* |
| Source of data | *Indicate the source(s) of data* |
| Description of measurement methods and procedures to be applied | *Specify the measurement methods and procedures, any standards or protocols to be followed, and the person/entity responsible for the measurement. Include any relevant information regarding the accuracy of the measurements (e.g., accuracy associated with metre equipment or laboratory tests).* |
| Frequency of monitoring/recording | *Specify measurement and recording frequency* |
| Value applied | *Provide an estimated value for the data/parameter*  |
| Monitoring equipment | *Identify equipment used to monitor the data/parameter including type, accuracy class, and serial number of equipment, as appropriate.* |
| QA/QC procedures to be applied | *Describe the quality assurance and quality control (QA/QC) procedures to be applied, including the calibration procedures where applicable.* |
| Purpose of data | * *Calculation of baseline emissions*
 |
| Calculation method | *Where relevant, provide the calculation method, including any equations, used to establish the data/parameter.* |
| Comments | *Provide any additional comments* |

## **3.2 Project Emissions**

*Multiply the table below and complete for all measured or calculated data and parameters that are monitored in the crediting period:*

|  |  |
| --- | --- |
| Data / Parameter |  |
| Data unit | *Indicate the unit of measure* |
| Description | *Provide a brief description of the data/parameter* |
| Source of data | *Indicate the source(s) of data* |
| Description of measurement methods and procedures to be applied | *Specify the measurement methods and procedures, any standards or protocols to be followed, and the person/entity responsible for the measurement. Include any relevant information regarding the accuracy of the measurements (e.g., accuracy associated with meter equipment or laboratory tests).* |
| Frequency of monitoring/recording | *Specify measurement and recording frequency* |
| Value applied | *Provide an estimated value for the data/parameter*  |
| Monitoring equipment | *Identify equipment used to monitor the data/parameter including type, accuracy class, and serial number of equipment, as appropriate.* |
| QA/QC procedures to be applied | *Describe the quality assurance and quality control (QA/QC) procedures to be applied, including the calibration procedures where applicable.* |
| Purpose of data | * *Calculation of project emissions*
 |
| Calculation method | *Where relevant, provide the calculation method, including any equations, used to establish the data/parameter.* |
| Comments | *Provide any additional comments* |

## **3.3 Leakage**

*Multiply the table below and complete for all measured or calculated data and parameters that are monitored in the crediting period:*

|  |  |
| --- | --- |
| Data / Parameter |  |
| Data unit | *Indicate the unit of measure* |
| Description | *Provide a brief description of the data/parameter* |
| Source of data | *Indicate the source(s) of data* |
| Description of measurement methods and procedures to be applied | *Specify the measurement methods and procedures, any standards or protocols to be followed, and the person/entity responsible for the measurement. Include any relevant information regarding the accuracy of the measurements (e.g., accuracy associated with metre equipment or laboratory tests).* |
| Frequency of monitoring/recording | *Specify measurement and recording frequency* |
| Value applied | *Provide an estimated value for the data/parameter*  |
| Monitoring equipment | *Identify equipment used to monitor the data/parameter including type, accuracy class, and serial number of equipment, as appropriate.* |
| QA/QC procedures to be applied | *Describe the quality assurance and quality control (QA/QC) procedures to be applied, including the calibration procedures where applicable.* |
| Purpose of data | * *Calculation of leakage*
 |
| Calculation method | *Where relevant, provide the calculation method, including any equations, used to establish the data/parameter.* |
| Comments | *Provide any additional comments* |

## **3.4 Net GHG Emissions Reductions/Removals**

*Complete the results of the calculation emission reduction/removals of the project:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Calculated baseline emissions/removals (tCO2e) | Calculated project emissions/removals (tCO2e) | Calculated leakage emissions (tCO2e) | Calculated net GHG emission reduction/removals (tCO2e) |
| Year 1 (Click or tap to enter a date.- Day-Month-Year) |  |  |  |  |
| Year 2 |  |  |  |  |
| Year 3 |  |  |  |  |
| Year... |  |  |  |  |
| Total  |  |  |  |  |

## **3.5 SDG Indicators Monitored**

Multiply the table below and complete for all the SDG indicators:

|  |  |
| --- | --- |
| Relevant SDG Indicator | *Provide the SDG Target* |
| Data/parameter | *Provide the SDG indicators* |
| Unit | *Indicate the unit of measure* |
| Description | *Provide a brief description of the data/parameter* |
| Source of data | *Indicate the source(s) of data* |
| Value(s) applied | *Provide a measured or calculated value for the indicator* |
| Frequency of monitoring/recording | *Specify measurement and recording frequency* |
| Choice of data or Measurement methods and procedures | *Specify the measurement methods and procedures, any standards or protocols to be followed, and the person/entity responsible for the measurement. Include any relevant information regarding the accuracy of the measurements (e.g., accuracy associated with metre equipment or laboratory tests).* |
| QA/QC procedures to be applied | *Describe the quality assurance and quality control (QA/QC) procedures to be applied, including the calibration procedures where applicable.* |
| Purpose of data | To quantify the impact of SDG ….. |
| Additional comment |  |

# **APPENDIX**

*Complete information that was modified on the process of certification. Insert the number of the PDD chapter that was modified and complete the right information.*

*Insert documents that help in the certification process, like the environmental impact assessment document.*

|  |  |  |  |
| --- | --- | --- | --- |
| Assessment Questions/Requirements[[12]](#footnote-13) | Justification of Relevance (Yes/potentially/no) | How the Project will achieve Requirements through design, management, or risk mitigation.  | Mitigation Measures added to the Monitoring Plan (if required) |
| 1.Human Rights |
| 1.How the Project Developer and the Project respect the following human rights:1. providing safe and healthy working conditions,
2. guaranteeing freedom of association,
3. ensuring non-discrimination in personnel practices,
4. ensuring that they do not use directly or indirectly forced labour or child labour,
5. providing access to basic health, education and housing for the workers and their families, if these are not provided elsewhere,
6. having an affirmative action programme to hire victims of domestic violence, and
7. making reasonable accommodations for all employees' religious observance and practices
 |  |  |  |
| 2.  Gender Equality and Women’s Empowerment  |
| 1. Has the company made a human rights assessment of the situation in countries where it does, or intends to do, business so as to identify the risk of involvement in human rights abuses and the company's potential impact on the situation?2. Does the company have explicit policies that protect the human rights of workers in its direct employment and throughout its supply chain?3. Has the company established a monitoring/tracking system to ensure that its human rights policies are being implemented?4. Does the company actively engage in open dialogue with stakeholder groups, including civil society organisations?5. Does the company utilise its leverage over the actor committing the abuse? If the company does not have sufficient leverage, is there a way to increase this leverage (e.g. through capacity building or other incentives or by collaborating with other actors)?6. Does the company have an explicit policy to ensure that its security arrangements do not contribute to human rights violations? This applies whether it provides its own security, contracts it to others or in the case where security is supplied by the State7. Ramifications of ending a business relationship, given the potential adverse human rights impacts of doing so? 8. The project developer promotes gender equity and the empowerment of women in the activity of the project?  |  |  |  |
|  3. Labour and Working Condition |
| 1. Does the project developer respect the right of all workers to form and join a trade union of their choice without fear of intimidation or reprisal, in accordance with national law? 2. Does the Project Developer have established written workforce management procedures that set out the conditions under which project workers will be employed or contracted and managed in accordance with the requirements of this document and applicable labour laws, rules and regulations. 3. Does the project developer provide adequate facilities for workers' representatives to contribute to an effective collective agreement?4.Does each worker receive and sign a standardised consent form from the enterprise indicating that they agree to work? Does the form indicate the wages and conditions of work? 5.Are the conditions of work the enterprise offers similar to work outside the prison? Provide explanation. 6.Are wages comparable to those of free workers with similar skills and experience in the relevant industry or occupation, taking into account factors such as productivity levels and any costs the enterprise incurs for prison security supervision of the workers? 7.Are wages paid directly to workers? Do workers receive clear and detailed wage slips showing hours worked, wages earned, and any deductions authorised by law for food and lodging? 8.Are the daily working hours in accordance with the law?9.Do safety and health measures respect the law?10.Are workers included in the social security scheme for accident and health coverage?11.Do workers obtain benefits such as learning new skills and the opportunity to work cooperatively in a controlled environment enabling them to develop team skills?12.Do workers have the possibility of continuing work of the same type upon release? 13.Do workers may withdraw their consent at any time, subject only to reasonable notice requirements?14.Does the project activity adhere to minimum age provisions of national labour laws and regulations, and where national law is insufficient, take account of international labour standards? 15.Does the project developer use adequate and verifiable mechanisms for age verification in recruitment procedures? 16. child labour is allowed. 17.Do the projects have at the workplace a grievance mechanism to raise workplace concerns[[13]](#footnote-14)?  |  |  |  |
| 4. Community Health, Safety and Working Conditions |
| The Project shall avoid community exposure to increased health risks and shall not adversely affect the health of the workers and the community[[14]](#footnote-15) |  |  |  |
| 5. Cultural Heritage |
| Does the Project Area include tangible[[15]](#footnote-16) and intangible heritage[[16]](#footnote-17) which can be recognized and valued by the local, regional, national, or global level?  |  |  |  |
|  6. Displacement and Resettlement |
| Does the project require or lead to physical or economic relocation of the population (total or partial, temporary or permanent)? If yes, explain how the resettlement improves their livelihoods. |  |  |  |
| 7. Land and Territories |
| Does the Project require any change, or have any uncertainties related to land tenure arrangements and/or access rights, usage rights or land ownership? |  |  |  |
| 8. Indigenous people  |
| The project may affect the human rights, lands, natural resources, territories, Cultural Heritage and/or traditional livelihoods of indigenous peoples regardless of whether (i) the project is located within or outside of the lands and territories inhabited by the indigenous peoples in question, (ii) a title is possessed by the affected indigenous peoples over the lands and territories in question?  |  |  |  |
| 9. Corruption |
| Does the project involve, is complicit or reinforce corruption?  |  |  |  |
|  10. Negative Economic Consequences |
| Does the project cause negative economic consequences during the implementation and after the start date of the project? |  |  |  |
| 11. Energy Supply |
| What kind of energy uses the project energy in its activity? Explain.  |  |  |  |
| 12. Impact on Natural Water Patterns/Flows/Water Resources |
| Does the project avoid significantly altering flow regimes in ways that prevent water resources from fulfilling their functions for upstream and downstream ecosystems and their services to local communities?Does the project adopt measures that avoid or reduce water usage so that the project’s water consumption does not have significant adverse impacts on communities, other users or on the environment and ecosystems?  |  |  |  |
| 13. Soil Management and Landscape Modification (only for AFOLU projects) |
| Does the project avoid, and where avoidance is not possible, minimise adverse impacts on soils, their biodiversity, organic content, productivity, structure, and water-retention capacity?  |  |  |  |
|  14. Natural Disaster (only for AFOLU projects) |
| Is the project exposed to extreme climatic conditions like earthquakes, wind, flooding, drought, etc. that could negatively influence its operational system? |  |  |  |
| 15. Biosafety and Genetic Resources (only for AFOLU projects) |
| Do GMOs (Genetically Modified Organisms, like contamination, harvesting and/or collection, or process-related connections) represent a potential negative impact on the project? |  |  |  |
| 16. Forests (only for AFOLU projects) |
| Is the project activity: (i)consistent with the conservation of natural forests and biological diversity, ensuring that they are not used for the conversion of natural forests; (ii) incentivize the protection and conservation of natural forests and their ecosystem services, and enhance other social and environmental benefits; (iii). enhance the sustainable management of forests, including the application of independent, credible certification for commercial, industrial-scale timber harvesting; (iv) maintain or enhance biodiversity and ecosystem functionality in areas where forest restoration is undertaken; and/or (v. ensure that plantations are environmentally appropriate, socially beneficial and economically viable, and utilise native species wherever feasible. |  |  |  |
| 17. Resource Efficiency (only for AFOLU projects) |
| Are the projects designed and implemented in a manner that promotes the efficient use and consumption of land/soils, energy, water, and other resources and material inputs?  |  |  |  |
| 18. Pollution Prevention |
| Does the project release pollutants to air, water, and land due to routine, non-routine, and accidental circumstances? Does the project ensure that pollution prevention and control technologies and practices are applied during the project life cycle, utilising performance levels and measures specified in national law or in good international good practice?  |  |  |  |
| 19. Hazardous Materials  |
| In the project activity are involved the manufacture, trade, release, and/ or use of hazardous and non-hazardous chemicals and/or materials? |  |  |  |
| 20. Pesticides & Fertilisers (only for AFOLU projects) |
| Does the project activity involve utilisation of pesticides and/or fertilisers? |  |  |  |
| 21. Food (only for AFOLU projects) |
| Does the Project change the nutritional quantity or quality of food? |  |  |  |
| 22. Critical Habitats (only for AFOLU projects) |
| Does the Project activity is implemented in areas of critical habitats[[17]](#footnote-18)? If Yes, please demonstrate: (i) there are no measurable adverse impacts on the criteria or biodiversity values for which the critical habitat was designated, and on the ecological processes supporting those biodiversity values (determined on an ecologically relevant scale); (ii) there is no reduction of any recognized Endangered, Vulnerable or Critically Endangered species,(iii) any lesser impacts are mitigated, and (iv) a robust, appropriately designed, and long-term Biodiversity Action Plan is in place to achieve net gains of those biodiversity values for which the critical habitat was designated |  |  |  |

#

# **DOCUMENT UPDATE**

|  |  |  |
| --- | --- | --- |
| **Version**  | **Date**  | **Comments or additional information** |
| 1  | 30.01.2023  | Initial version of the document. |

1. Regular projects are those projects which have the start date after the first submission date of the project to the RED certification via e-mail or within the Application [↑](#footnote-ref-2)
2. Retroactive projects are those projects that have the commissioning date before the date of the first submission to RED certification via e-mail or within the Application. [↑](#footnote-ref-3)
3. <https://cdm.unfccc.int/Reference/Guidclarif/glos_CDM.pdf> [↑](#footnote-ref-4)
4. For the grouped project please complete the coordinates for locations. [↑](#footnote-ref-5)
5. Complete both if the project is regular and you apply for validation and verification in two stages. [↑](#footnote-ref-6)
6. Complete if the project is retroactive. For retroactive projects it is not necessary to complete the estimated emission reductions/removals since you apply for validation and verification in one stage. The same request is for regular projects that apply for validation and verification in one stage. [↑](#footnote-ref-7)
7. To be completed only for group projects [↑](#footnote-ref-8)
8. The Start Date of the project is the date when the official commissioning document of the project was signed. [↑](#footnote-ref-9)
9. It Is the listing date of the project in the RED Registry and the page of the project in the Certification app on the RED Platform. [↑](#footnote-ref-10)
10. To be completed only for regular projects, for retroactive projects complete the table from First Monitoring. [↑](#footnote-ref-11)
11. For regular projects, the chapter shall be completed after the Validation done by the third party.

 For retroactive projects, it shall be completed in the same time with chapter II - Validation. [↑](#footnote-ref-12)
12. The requirements were based on the UN Global Compact and UNDP Social and Environmental Standards [↑](#footnote-ref-13)
13. A workplace grievance mechanism (distinct from any general project-level grievance mechanism) is provided for all project workers (and, where relevant, their organisations) to raise workplace concerns (including potential violations of existing rights and entitlements as provided for in legislation, collective agreements, employment contracts and human resources policies). The mechanism will be easily accessible to project workers who are to be informed of the grievance mechanism at the time of recruitment and the measures to protect them against any reprisal for its use. [↑](#footnote-ref-14)
14. Community health and safety refers to protecting local communities from hazards caused and/or exacerbated by project activities (including flooding, landslides, contamination or other natural or human-made hazards), disease, and the accidental collapse or failure of project structural elements such as dams. Project-related activities may directly, indirectly or cumulatively change community exposure to hazards. A significant concern with major development projects is the spread of communicable diseases from the workforce to the surrounding communities. [↑](#footnote-ref-15)
15. Tangible Cultural Heritage includes moveable or immovable objects, sites, structures, groups of structures, human settlements and natural features and landscapes that have archaeological, paleontological, historical, architectural, religious, aesthetic, or other cultural significance. [↑](#footnote-ref-16)
16. Intangible Cultural Heritage, also referred to as living heritage, includes practices, representations, expressions, knowledge, skills—as well as the instruments, objects, artefacts and cultural spaces associated therewith—that communities/groups recognize as part of their Cultural Heritage, as transmitted from generation to generation and constantly recreated by them in response to their environment, their interaction with nature and their history and provides them with a sense of identity and continuity, thus promoting respect for cultural diversity and human creativity. [↑](#footnote-ref-17)
17. Critical habitats are a subset of both modified and natural habitats that require special attention. Critical habitats are areas with high biodiversity value, including any of the following features: (i) habitat of significant importance to Critically Endangered and/or Endangered species; (ii) habitat of significant importance to endemic and/or restricted range species; (iii) habitat supporting globally significant concentrations of migratory species and/or congregatory species; (iv) highly threatened and/or unique ecosystems; and/or (v) areas associated with key evolutionary processes. Critical habitats include those areas that are (i) legally protected, (ii) officially proposed for protection, (ii) identified by authoritative sources for their high conservation value (such as areas that meet criteria of the World Conservation Union classification, the Ramsar List of Wetlands of International Importance, and the United Nations Scientific and Cultural Organization’s world heritage sites), or (iv) recognized as protected by traditional local communities [↑](#footnote-ref-18)