**Key Project Information & Project Design Document (PDD)**

###### **For Impact Quantifying Methodology: Methane Emission Reduction by Adjusted Water Management Practice in Rice Cultivation (AWD)**

###### PUBLICATION DATE **05.04.2024**

###### VERSION **v. 1.5 AWD**RELATED TEMPLATE –[Key Project Information & Project Design Document](https://globalgoals.goldstandard.org/t-prereview-design-document/)

##### This document contains the following Sections

SECTION A. DESCRIPTION OF PROJECT

SECTION B. APPLICATION OF APPROVED GOLD STANDARD METHODOLOGY (IES) AND/OR DEMONSTRATION OF SDG CONTRIBUTIONS

SECTION C. DURATION AND CREDITING PERIOD

SECTION D. SUMMARY OF SAFEGUARDING PRINCIPLES AND GENDER SENSITIVE ASSESSMENT

SECTION E. SUMMARY OF LOCAL STAKEHOLDER CONSULTATION

[Appendix 1](#_Appendix_1_-) – Safeguarding Principles Assessment (mandatory)

Appendix 2 – Contact information of project participants (mandatory)

Appendix 3 – LUF Additional Information (project specific)

Appendix 4 – Design Changes

## Guide to completing the Form (delete this section after filling in the template)

##### *General guidance*

1. This document is to be treated the in the same way as the [PDD template](https://globalgoals.goldstandard.org/t-prereview-design-document/). Some of the sections are ‘pre-filled’ with reference to the GS4GG methodology “[Methane emission reduction by adjusted water management practice in rice cultivation](https://globalgoals.goldstandard.org/437-luf-agr-methane-emission-reduction-awm-practice-in-rice/)” for illustrative purposes. This is to help and guide the project developers to fill the sections of the PDD while applying the methodology. The project developer can use the [blank PDD template](https://globalgoals.goldstandard.org/t-prereview-design-document/) instead.
2. Complete this form in English. Prepare all attached documents in English, OR a language that has been agreed upon by the project developer, the Gold Standard and the Validation and Verification body (VVB).
3. Complete this form using the same format without modifying its font, headings or logo, and without any other alteration to the form.
4. Do not modify or delete tables and their columns in this form. Add rows of the tables as needed. Add additional appendices as needed.
5. If a section of this form is not applicable, explicitly state that the section is left blank intentionally.
6. Figures above one thousand shall be formatted with a comma (for example 1,000,000), and decimals will be separated by a point (for example 1.35)
7. Pictures, graphs, tables and supporting documents within Project Documentation shall be clearly marked with a unique ID.
8. All Dates must be in the following format: DD/MM/YYYY
9. Maps, where required shall include:
	1. *Name of the project*
	2. *ID of the project*
	3. *Legend*
	4. *Printing date*
	5. *Scale*
	6. *Direction of North*
	7. *GPS coordinate system (e.g. WGS 84)*
	8. *GPS grid*
	9. *Infrastructure (roads, houses, etc.) and rivers*
	10. *Information on the satellite or aerial picture (date, resolutions, data source)*

##### *Requirements for reporting compliance*

1. *For Gold Standard for the Global Goals (GS4GG), a project must complete Validation (defined as the date of submission of the Validation Report) within two years of successful listing of the project.*
2. *All projects must select a Gold Standard approved* [*VVB*](https://globalgoals.goldstandard.org/approved-auditors/) *for the chosen scope and certification pathway.*
3. *When completing this form and designing your projects, you should initially read and comply with the 3 Mandatory GS4GG Standard Documents (*[*Principles and Requirements*](https://globalgoals.goldstandard.org/101-par-principles-requirements/)*,* [*Safeguard Principles and Requirements*](https://globalgoals.goldstandard.org/103-par-safeguarding-principles-requirements/)*,* [*Stakeholder Consultation and Engagement Requirements*](https://globalgoals.goldstandard.org/102-par-stakeholder-consultation-requirements/)*). As a general rule, these mandatory documents form a base level and reference other documents which provide more detailed, project specific requirements that must be complied with. In case of conflict, project specific requirements supersede more general ones.*
4. *You should follow the GS4GG standard documents which are:* [*Land-Use and Forests Activity Requirements*](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/) *(technology types) and, possibly,* [*Programme of Activity Requirements*](https://globalgoals.goldstandard.org/107-par-programme-of-activity-requirements/)*,* [*Microscale requirements*](https://globalgoals.goldstandard.org/108-par-microscale-project-requirements/) *(framework types).*
5. *You must also comply with all requirements in any selected methodology. In this case: “Methane Emission Reduction by Adjusted Water Management Practice in Rice Cultivation”.*
6. *All Gold Standard Projects must use conservative assumptions, values and procedures to ensure that claims are not overestimated.*
7. *Guidance provided in this document is based on GS4GG versions 1.2 – in the event that a rule is updated and this template doesn’t match, it is the responsibility of the developer to provide the correct information.*

##### *Public disclosure and confidentiality*

1. *This pre-filled PDD is an example prepared for facilitating preparation of actual project design document by project developers on the GS4GG methodology “*[*Methane Emission Reduction by adjusted Water management practice in rice cultivation*](https://globalgoals.goldstandard.org/437-luf-agr-methane-emission-reduction-awm-practice-in-rice/)*”. The text presented in pre-filled PDD is not a prescription and is for illustrative purposes only. Project developers are encouraged to use project specific information and fortify/ amend the text as per their need. PDDs prepared using this document will be subject to full validation by a VVB in its totality without any prejudice to the text already present. The text/ tables/ figures or other details given in pre-filled PDD do not constitute endorsement by Gold Standard and should not be construed as requirement.*
2. *Where a Project Design Document (PDD) contains information that the project developer wishes to be treated as confidential/proprietary, submit documentation in two versions:*
3. *One version where all parts containing confidential/proprietary information are made illegible (e.g. by covering those parts with black ink) so that the version can be made publicly available without displaying confidential/proprietary information.*
4. *A version containing all information that is to be treated as strictly confidential/proprietary by all parties handling this documentation (VVBs, Certification Bodies, Gold Standard, Gold Standard Technical Advisory Committee and Gold Standard NGO Supporters).*
5. *Note that all project documentation, except confidential information, will be made publicly available through the Gold Standard Impact Registry. It is the responsibility of the project Developer to mark documents as confidential. Information used to demonstrate additionality, to describe the application of the selected methodologies, standardised baselines and the other methodological regulatory documents, and to support environmental impact assessments, cannot be considered proprietary or confidential.*
6. *Any data, values and formulae included in spreadsheets shall be made publicly accessible. The source of documents shall be clearly mentioned so that they are easily located and reviewed by assurance providers. The efficiency of the certification process is dependent upon transparent and effective communication.*

## Guide

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*.*

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3. *A version containing all information that is to be treated as strictly confidential/proprietary by all parties handling this documentation (VVBs, Certification Bodies, Gold Standard, Gold Standard Technical Advisory Committee and Gold Standard NGO Supporters).*
4. *Note that all project documentation, except confidential information, will be made publicly available through the Gold Standard Impact Registry. It is the responsibility of the project Developer to mark relevant documents as confidential. Information used to demonstrate additionality, to describe the application of the selected methodologies, standardised baselines and the other methodological regulatory documents, and to support environmental impact assessments, cannot be considered proprietary or confidential.*
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### KEY PROJECT INFORMATION

To mark a checkbox (e.g., in ‘Activity Requirements applied’ below), please double click it.
A dialogue box will appear that will allow you to mark ‘ticked/checked’.

|  |  |
| --- | --- |
| GS ID of Project  | *You will receive a GS ID upon creation of a project on the GS registry, please include it here once it is assigned*  |
| Title of Project | *Please use a unique title* |
| Time of First Submission Date  | *DD/MM/YYYY**This is the date project documentation was first submitted for preliminary review. For retroactive projects, this must take place within 5 year of the project start date* |
| Date of Design Certification | *DD/MM/YYYY**The date of Design Certification is the last day of the 4-week Design Review period, even if the design review is concluded after this date.* |
| Version number of the PDD | *X.Y* |
| Completion date of version | *DD/MM/YYYY* |
| Project Developer  | *This is the registry account holder and authorised owner of certificates/ credits. The signed Cover Letter clarifies the ownership relationship.* |
| Project Representative | *The official focal point (s) for the project (which may also be the Project Developer)* |
| Project Participants and any communities involved  | *Use this space to list Project Owner(s) and/or co-contributors not listed above. The signed Cover Letter clarifies the ownership relationship.* |
| Host Country (ies) | *List the host country(ies) relevant to the project* |
| Activity Requirements applied | *[ ]* [*Community Service Activity*](https://globalgoals.goldstandard.org/201-ar-community-services-activity-requirements/) *(in general – off grid renewable energy, distributed technology, biogas, WASH – in case the project is the combination of AWD technology and CSA technologies)**[ ]* [*Renewable Energy*](https://globalgoals.goldstandard.org/202-ar-renewable-energy-activity-requirements/) *(in general – renewable energy projects connected to national or regional grids or industrial facilities– in case the project is the combination of AWD technology and RE technologies)**[x]* [*Land-Use and Forests Activity*](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/)*/Risks & Capacities (self explanatory)**[ ]  N/A (projects that do not fall into either of the above, for example Shipping)**Refer to the activity requirements for specific criteria* |
| Scale of the project activity | *[ ]  Micro scale**[ ]  Small Scale**[ ]  Large Scale**See section A.4 below* |
| Other Requirements applied | *Use this space to list requirements applicable to certain types of projects**E.g. PoA, microscale* |
| Methodology (ies) applied and version number | * + - *Methane Emission Reduction by Adjusted Water Management Practice in Rice Cultivation, Version 1.0*
		- *Other GS approved methodology is required to issue Products. Please refer to the SDG Impact Quantification* [*pages*](https://globalgoals.goldstandard.org/400-sdg-impact-quantification/) *for GS approved methodologies. Many CDM* [*methodologies*](https://globalgoals.goldstandard.org/427-cdm-list-of-eligible-cdm-methodology/) *are also approved for use in GS - they may have additional rules that apply.*
 |
| Product Requirements applied | *[ ]  GHG Emissions Reduction & Sequestration (required to issue VERs/PERs and label CERs)**[ ]  Renewable Energy Label (required to label Renewable Energy Certificates)**[ ]  N/A (This is the rare case when a project chooses to issue neither emission reductions/labels or renewable energy labels)* |
| Project Cycle: | *[ ]  Regular**[ ]  Retroactive* *A project is regular cycle if stakeholder consultation (1st round) has been conducted before the project start date. Otherwise, it is a retroactive project.* |

**Land-use & Forest Key Project Information[[1]](#footnote-1)**

|  |  |
| --- | --- |
| Scope: | [ ]  Forestry[x]  Agriculture |
| Silvicultural system: | [ ]  Conservation (no use of timber)[ ]  Selective Harvesting[ ]  Rotation Forestry[ ]  N/A |
| Project Area (ha): | The sum of all eligible and non-eligible area |
| Eligible Area (ha): |  |
| 10% Set Aside Conservation area (ha): |  |
| Evidence that Project Area Boundary is clearly distinguishable in the field: |  |
| Planting Area | The GS Eligible parts of the Project Area |
| How many Modelling Units (MUs) are included in the eligible area: |  |
| Summary of New Areas added (copy and insert as needed): |
| Size (ha): |  |
| Date Added |  |

##### Table 1 – Estimated Sustainable Development Contributions

|  |  |  |  |
| --- | --- | --- | --- |
| SUSTAINABLE DEVELOPMENT GOALS (SDG) TARGETED | SDG IMPACT (DEFINED IN B.6) | ESTIMATED ANNUAL AVERAGE | UNITS OR PRODUCTS |
| SDG 13: Climate Action (mandatory) | Emissions Reductions  | 60,000 | VERs |
| SDG 2: Zero Hunger | Increased productivity | 1 | Ton/ha |
| SDG 4: Quality Education | Skill development | 1000 | Farmers are trained |
| SDG 8: Decent work and Economic growth | Increased employment opportunities | 100 | Jobs/year |

*Use the table to show clearly summarise what Gold Standard Products and Certified Impact Statements are sought (complete B.6 first). Insert new rows as necessary - an example table is shown above.*

***Gold Standard Products*** *- can only be generated by following Product Requirements and/or a Gold Standard approved methodology. Use Units or Products heading to state any Product you seek for each Sustainable Development Goal (SDG) – it is essential that you use the correct product name. You also must include the relevant methodology and or product requirements in the Key Project Information table above.*

***Common Products: SDG 13: VER/CER/PER; SDG 2: Zero Hunger; SDG 4: Quality Education; SDG 8: Decent work and Economic growth***

***Certified Impact Statements -*** *Clearly state the proposed SDG Impact and the Units that define the Certified Impact Statement. If a Gold Standard-approved methodology is used (for example Gender Responsive Certification), you also must include the relevant methodology in the Key Project Information table above.*

1. DESCRIPTION OF PROJECT
	1. Purpose and general description of project

*Provide the purpose and a general description of the project activity, including a summary of:*

* + 1. *The location of the project activity;*
		2. *The technologies/measures to be employed and/or implemented by the project activity;*
		3. *The project boundary;*
		4. *The baseline scenario;*

*This information is a short summary of the information in sections A.2, A.3, B.3 & B.4*

The proposed project activity is developed by ABC company. The proposed activity is planned to be implemented in the provinces X and Y, of the country Z. The initiative, which introduces better agricultural techniques for rice farming, is under the Land Use & Forestry (LUF) and Agriculture (AGR) category. Through enhanced water management techniques including alternating wetting and drying (AWD) of the paddy lands, this initiative seeks to minimise methane (CH4) emissions.

**Baseline Scenario:**

For the duration of the farming season, in the absence of project activities, farmers in the project region presently employ the conventional technique of continual flooding. Because rice farms are now managed through constant floods and anaerobic soil degradation, the method of growing rice contributes significantly to CH4 emissions.

**Project Scenario:**

Farmers will be motivated and trained to refrain from continuously flooding their fields by putting the suggested AWD technology into effect, which would cut down on the quantity of CH4 emissions that would have been produced in the baseline situation. In accordance with customs prevalent in the area, farmers utilise straw for domestic purposes following the paddy harvest. The sole change made to the project scenario is the adoption of alternating wetting and drying conditions rather than the submerged condition. Other than that, the project keeps the current agricultural techniques in place and does not introduce any new activities that might increase greenhouse gas emissions.

Participating beneficiaries will accept the conditions of the project and give the Project Developer (PD) full rights to the Verified Emission Reduction (VERs) that arise from the project.

* + 1. Eligibility of the project under Gold Standard

*Show how the project meets the eligibility criteria as per section 3.1.1 of GS4GG Principles & Requirements, including the following:*

1. *Demonstrate if project is pre identified as eligible by being referenced in Gold Standard* [*Activity Requirements*](https://globalgoals.goldstandard.org/200-activity-requirements/)*,* [*Impact Quantification Methodologies*](https://globalgoals.goldstandard.org/400-sdg-impact-quantification/) *or* [*Product Requirements*](https://globalgoals.goldstandard.org/500-product-requirements/)
2. *If not pre identified as eligible, provide evidence of Gold Standard approval*
3. *Demonstrate how the project meets the General Eligibility criteria of the applicable Activity Requirements*
4. *Confirm that the project is not registered with any other voluntary or compliance schemes.*
5. *Demonstrate the activity is NOT located in a host country, region, locality or state that has an emission reduction cap enforced OR has the possibility to trade emissions that include the scope of the proposed project*
6. *Demonstrate that no potential for double counting of impacts if the Project Area overlaps with that of another Gold Standard or other voluntary or compliance standard programme of a similar nature.*
7. *Demonstrate that the project is in compliance with applicable Host Country’s legal, environmental, ecological and social regulations*

The eligibility criteria as per GS4GG [Principles And Requirements](https://globalgoals.goldstandard.org/101-par-principles-requirements/), v1.2 are explained below:

| **No** | **Requirement** | **Justification** | **Eligible?** |
| --- | --- | --- | --- |
|  | Types of projects:As per para 4.1.3, of GS4GG principles & Requirements v1.2, “A project type is automatically eligible for Gold Standard Certification if there are Gold Standard approved Activity Requirements and/or Impact Quantification Methodologies associated with it or it’s referenced in the Gold Standard Product Requirements. These are published to the Gold Standard website and shall be followed where provided for a given project type” | The project will include the rice cultivation activities, so it is automatically eligible under the project type categories as defined in the GS Activity requirements: [LUF Activity Requirements](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/)Besides, the project uses Gold Standard [Methodology for Methane emission reduction by adjusted water management practice in rice cultivation](https://globalgoals.goldstandard.org/437-luf-agr-methane-emission-reduction-awm-practice-in-rice/) version 1.0.Hence the project type is eligible under GS4GG. | Yes |
|  | Location of project:The projects can be located in any part of world | The location of the Project is Vietnam.  | Yes |
|  | Project area, Project Boundary & Scale | The Project Area is defined in A.2. The Boundary is defined in B.3. The project scale is small scale.The Project is only included under the Gold Standard and no dual certification will take place.  | Yes |
|  | Host Country Requirements | AWD technology is encouraged so no legal, environmental, ecological and/or social regulations in Vietnam prevent implementation of this technology. Hence, the project follows the Host Country’s legal, environmental, ecological and social regulations. | Yes |
|  | Contact Details | The contact details of the project participants are provided in Appendix 2 of this document. | Yes |
|  | Legal Ownership | Project developer (PD) will clearly communicate to the stakeholders that PD will claim ownership rights at the stakeholder consultation. In addition, the PD explains that the PD retains the rights of ownership of the GHG reductions to end-users before the implementation of project. | Yes |
|  | Other Rights | Except the Social benefits and VERs, all other legal rights of the project rice fields are with the beneficiaries. PD will inform Gold Standard of any disputes | Yes |
|  | ODA Declaration | No Official development assistance (ODA) fund is involved. The Project representative has provided ODA declaration conforming the same. | Yes |

The eligibility criteria as per GS4GG [LUF Activity Requirements](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/), v1.2.1 are explained below:

| **No** | **Requirement** | **Justification** | **Eligible?** |
| --- | --- | --- | --- |
| 2.1.1 (a) | Eligible project types are Afforestation & Reforestation Projects (A/R) and Agriculture Projects (AGR). | The project is a land use project eligible under the project type Land use and forests activity requirements. | Yes |
| 2.1.1 (b) | No Deforestation: The eligible area shall not meet the definition of forest 10 years before project start date and at project start date. | The project is an AGR project where farmers switch from continuously flooded rice to intermittent flooding. The project is implemented on irrigated paddy plots.  | Yes |
| 2.1.1 (c) | In the case when the eligible area has been deforested during the last 10 years prior to project start date, the eligibility of the project shall be determined by Gold Standard as part of the Preliminary Review. The Project Developer shall provide evidence that the deforestation activity has not taken place with an intention to implement project activities that generate Gold Standard Certified SDG Impact Statements and/or Products, such as GSVERs. | Not applicable | Yes |
| 2.1.1 (d) | Projects can be implemented in any country. If projects are located in a country or state that has an operational mandatory national or pan-national cap-and-trade scheme to reduce greenhouse-gas (GHG) emissions, and hereby accounts for its own land-based activities under its national or subnational accounting, then projects seeking GSVERs shall conform to the [GHG Emissions Reductions & Sequestration Product Requirements](https://globalgoals.goldstandard.org/501-pr-ghg-emissions-reductions-sequestration/) - Annex A Double Counting Requirements. | The location of the Project is Vietnam, which is yet to have an operational mandatory national or pan-national cap-and-trade scheme to reduce greenhouse-gas (GHG) emissions.  | Yes |
| 2.1.2 | Requirement for A/R project type | Not applicable | Yes |
| 2.1.3 | AGR projects include eligible project activities that are covered by an approved Gold Standard SDG [Impact quantification methodologies](https://globalgoals.goldstandard.org/400-sdg-impact-quantification/). | The project uses Gold Standard [Methodology for Methane emission reduction by adjusted water management practice in rice cultivation](https://globalgoals.goldstandard.org/437-luf-agr-methane-emission-reduction-awm-practice-in-rice/) version 1.0. | Yes |
| **FSC Dual Certification** |
| 2.1.4 | The Gold Standard and Forest Stewardship Council (FSC) are inpartnership to promote environmentally appropriate, socially beneficial and economically viable management of the world’s forests. Gold Standard and FSC therefore offers opportunities for dual certification in a parallel process. Projects seeking dual certification will need to comply with all the FSC requirements. |  | Yes |
| 2.1.5 |

|  |
| --- |
| With respect to dual certification Gold Standard recognises that FSC certification can be used to demonstrate conformity with the |

Safeguarding Principles Assessment and Annual Reporting Requirements. In such cases, the Gold Standard Validation/Verification Body (GS-VVB) is not required to re-check the FSC documentation. |  | Yes |
|  | 2.1.6 In the event of a grievance being raised against a Gold Standard Projectthen all Gold Standard Requirements shall apply for the purpose of assessing non-conformity and any response/redress. |  | Yes |
|  | 2.1.7 The Project shall demonstrate conformity to Safeguarding Principle 8 -Water. FSC Certification is not deemed as evidence that this Principle is met. |  | Yes |
|  | 2.1.8 When applying a dual certification, the Project Developer shall providethe ‘FSC Audit Report’ alongside the Project Design Document (PDD) - the PDD may reference the FSC Audit Report for relevant sections but is not required to duplicate. Project Developers shall also provide the ‘FSC Annual Surveillance Report’ instead of the template for the ‘Annual Report’. For dual certification, FSC certification is required to be valid throughout the crediting period. |  | Yes |
| **Secured Titles** |
| 2.1.9 to 2.1.11 | A/R specific | Not applicable | Yes |
| 2.1.12 | Depending on the structure of the project, the Project Developer shall follow either requirement 1 or 2. | The PD follow requirement 1 | Yes |
| 2.1.13 | Requirement 1: The Project Developer acts on behalf of project participants. For such cases, each project participant shall sign an agreement which confirms that:1. The project participant holds the CO2 user rights that are associated with the project activities and has passed these on to the Project Developer, AND
2. The project participant holds all necessary rights to implement Sthe project activities (e.g., rights to harvest), AND
3. The legal land title or similar entitlement for the land on which the project activities are implemented is uncontested.

These agreements shall include the:1. Contact details of the project participants, AND
2. The legal registration number and documentation by the governing jurisdiction that proves that the entity is in good standing (in case of an organisation), AND
3. Contact details of the landowner (if differing), AND
4. Length of lease contract (if applicable), AND
5. The liabilities and benefits for the person or entity to implement the project activities (e.g., switch to another crop and get access to the seeds).
 | The Project Proponent will act on behalf of the project participants and each project participant will sign an agreement confirming to the stipulations. | Yes |
| 2.1.14 | Requirement 2: The Project Developer acts on its own. In such cases, the Project Developer shall provide evidence that:* 1. It holds the CO2 user rights and the rights for any other Certified SDG Impact Statement or Product that are associated with the project activities, AND
	2. It holds all necessary rights to implement the project activities (e.g., rights to harvest), AND
	3. The legal land title or similar entitlement for the land on which the project activities are implemented is uncontested.
 | Not applicable | Yes |
| **New Area Certification** |
| 2.1.15 | New Areas can be added or removed to an existing project area anytime after a project reaches Registered status (after successfully completing Design Certification) by paying the applicable review fee. | Not applicable at Design Certification stage. | Yes |
| 2.1.16 | A project developer shall consult with Gold Standard before removing a certified area and/or reducing the size of a certified area, in order to assess the materiality of the changes. | Not applicable at Design Certification stage. | Yes |
| 2.1.17 | To add new areas to a project the following requirements are set:* 1. The inclusion of new areas shall follow the Project Design Certification process as per Principles and Requirements.
	2. The Project Developer should assess if the new areas present material differences from the Design Certified project and update the Safeguarding Principles & Requirements accordingly. Materiality must be assessed according to Principles and Requirements.
	3. For new areas proposed for inclusion, the crediting period end date will be the same as for the previously Design Certified project activity.
	4. The registered Monitoring & Reporting Plan template shall be updated with the information for new areas as needed.
	5. A site visit and an opinion by a VVB is required to confirm the eligibility of the proposed activities in the new areas.
	6. New Areas inclusion can be certified before or during a performance certification but it is always required to have the opinion of a VVB based on a site visit to the new area/s being certified.
 | Not applicable at Design Certification stage. | Yes |
| 2.1.18 | New areas added to retroactive projects must follow the requirements for retroactive issuance as per the Principles and Requirements, GHG Emissions Reductions & Sequestration Product Requirements, and the Requirements stated in this document. | Not applicable at Design Certification stage. | Yes |

* + 1. Legal ownership of products generated by the project and legal rights to alter use of resources required to service the project.

*For each relevant point, justify that project owner has:*

*full and uncontested legal ownership of all Products that are generated under Gold Standard Certification (Where such ownership is transferred from project beneficiaries this must be demonstrated transparently and be discussed during local stakeholder consultations)*

*legal rights concerning changes in use of resources required to service the Project (e.g water rights)*

*full and uncontested legal land title/tenure required to implement the Project (e.g. A/R projects, see LUF Activity Requirements)*

The project developer X has full and uncontested legal ownership of Gold Standard VERs (SDG 13) that are generated by implementing AWD method of practices under the project.

When the engagement contract with the farmers is signed, the farmer consent to give the PD ownership of the Gold Standard VERs. Farmers are the ones who hold the legal usage right of the land. The project land is legal agricultural land and rice cultivation is permitted by Government.

* 1. Location of project

*Provide details of the physical/geographical location of the project activity, including:*

1. *Physical address (host Party, region/state/province, city/town/community, street name and number)*
2. *a map,*
3. *if necessary, other information allowing for the unique identification of the project activity (e.g. geographic coordinates).*

**Host Country:** Viet Nam

**Region/State/Province:**

The project activity is implemented in the Mekong Delta area in Vietnam

|  |  |
| --- | --- |
| **Area** | **Geo-coordinates** |
| Mekong Delta area | Latitude: 10.145 NLongitude: 105.585 E |

 

**Figure 1: Project area map**

* 1. Technologies and/or measures

*Describe the technologies and measures to be employed and/or implemented by the project, including:*

1. *a list of the facilities, systems and equipment that will be installed and/or modified by the project.*
2. *The age and average lifespan of the equipment based on the manufacturer’s specifications and industry standards*
3. *Include all information essential to understand the purpose of the project and how it reduces GHG emissions and/or contributes to SDGs*

The projects meet the applicability conditions of Gold Standard methodology, “Methodology for Methane emission reduction by adjusted water management practice in rice cultivation” [[2]](#footnote-2), Version 1.0.

Following the implementation of Alternate Wetting and Drying (AWD) technology, the project plots are brought under intermittent flooding, replacing conventional continuous flooding of the paddy fields. AWD technology provides a balance between water conservation, yield maintenance, and environmental benefits, making it a valuable approach for rice farmers:

* **Water Conservation:** AWD aims to reduce water input while maintaining grain yield. By allowing the soil to dry out periodically, it saves water compared to continuous flooding. This will be crucial as irrigation water becomes scarcer in the future.
* **Increased Water Productivity:** AWD enhances water productivity by optimising water use. It ensures that rice plants receive adequate moisture without excessive flooding. Farmers can achieve good yields with less water, thus improving overall productivity.
* **Reduced Methane Emissions:** AWD reduces methane emissions from rice paddies. By periodically drying the soil, it limits anaerobic conditions that lead to methane production. This contributes to environmental sustainability.
* **Root Anchorage and Lodging Prevention:** AWD promotes good root anchorage, reducing the risk of plant lodging (i.e. falling over). Stable plants are essential for maximising yield and ease of harvesting.
* **Cost Savings:** In pump irrigation systems, AWD reduces pumping costs and fuel consumption. Additionally, it can lead to increased income per hectare due to water savings.
* **Soil Nutrient Status:** AWD does not significantly affect post-harvest soil nutrient levels, making it a viable option for sustainable rice production.
	1. Scale of the project
1. *Confirm whether project is micro scale, small scale or large. (a project may contain more than one component belonging to each of the three, mutually exclusive project types. The project scale is determined by the project type (I,II,III) scale limits that all components are within (i.e. if types I,II,III components are all within their respective small scale limits, then the project as a whole is small scale)*
2. *Justify the scale referring to the applied Activity Requirements*
	1. Funding sources of project
3. *Indicate whether the project activity receives public funding. If any public funding is received, provide information on the sources of the public funding.*
4. *For carbon credit projects taking place in countries on the OECD Development Assistance Committee’s ODA recipient* [list](http://www.oecd.org/dac/financing-sustainable-development/development-finance-standards/daclist.htm) *a signed Official Development Assistance (ODA) Declaration is required.*

1. APPLICATION OF APPROVED GOLD STANDARD METHODOLOGY (IES) AND/OR DEMONSTRATION OF SDG CONTRIBUTIONS
	1. Reference of approved methodology (ies)

*\*\*If more than one GS approved methodology is applied, provide information for*

*each methodology separately in sections B1 to B5\*\**

* Gold Standard “Methodology for Methane Emission Reduction by Adjusted Water Management Practice in Rice Cultivation”, Version 1.0.
	1. Applicability of methodology (ies)

The PD may follow the diagram for demonstrating the applicability of the project:



The project meets the applicability conditions of the Gold Standard “Methodology for Methane Emission Reduction by Adjusted Water Management Practice in Rice Cultivation”, Version 1.0 as demonstrated below:

| **Methodology requirement**  | **Justification**  |
| --- | --- |
| Rice cultivation in the project area is predominantly characterised by irrigated, flooded fields for an extended period of time during the growing season, i.e. farms whose water regimes can be classified as *upland* or *rainfed* and *deep water* are not eligible to apply this methodology.  | In the pre-project scenario, the farmers are practicing continuous flooded irrigation for the entire cropping season. Further, the PD ensures that the targeted areas under the project shall not be classified or determined as upland or rainfed and deepwater regimes. Such lands shall not be considered under the project area. This shall be verified from a representative survey conducted in the geographical region of the project area or by using national data.  |
| The project rice fields are equipped with controlled irrigation and drainage facilities such that both during dry and wet season, appropriate dry/flooded conditions can be established on the fields;  | The rice fields that are the focus of this initiative have controlled irrigation supplies, such as canal water, available to them during both wet and dry seasons. This can be confirmed by an official government report, or a representative poll carried out in the project's targeted geographic area. |
| The project activity does not lead to a decrease in rice yield;  | The production yield won't decrease as a result of the use of alternate wetting and drying techniques. After every crop season, this will be confirmed by gathering yield data and recording it in the farmer logbooks. |
| If a project activity introduces a new cultivar(s) that has not been used before in the project region, it should be demonstrated that the new cultivar(s) does not require any changes in the land management practices;  | As part of the project execution, the PD will not suggest changing cultivar usage or land management approaches. The regular training that the farmers received during recruiting will be used to verify this. |
| Training and technical support during the cropping season that delivers appropriate knowledge in field preparation, irrigation, drainage and use of fertiliser to the farmer is part of the project activity and is to be documented in a verifiable manner (e.g. protocol of trainings, documentation of onsite visits). In particular, the project developer can ensure that the farmer by himself or through experienced assistance is able to determine the crop’s supplemental fertilisation need. The applied method shall assess the fertiliser needs using, for example, a leaf colour chart or photo sensor or testing stripes. Alternatively, a procedure to ensure efficient fertilisation considering the specific cultivation conditions in the project area backed by scientific literature or official recommendations shall be used;  | The PD affirms that it will advise farmers via ground staff on better water management techniques and that it will give them the field support, instruction, farm-level technical demonstrations, agronomy, fertiliser, and crop protection advisories they need to adopt new cultivation techniques. Technical personnel will also visit farms to provide farmers the appropriate advice. This will be confirmed via the training schedule. |
| Project developer(s) shall assure that the introduced cultivation practice, including the specific cultivation elements, technologies and use of crop protection products, is in compliance with any local regulatory restrictions, if applicable;  | No local regulatory body in the host nation may impose restrictions on the enhanced agricultural practices implemented under the. Local laws or public policies that are in effect can attest to this. |
| Except the case where the Intergovernmental Panel on Climate Change (IPCC) default value approach indicated in this methodology is chosen for emission reductions calculations, project developers have access to infrastructure to measure CH4 emissions from reference fields using closed chamber method and laboratory analysis.  | This shall adopt the default value approach which can be verified from Emission reduction calculations.  |
| Small or micro scale projects or Voluntary Project Activities (VPAs) applying simplified approach (paragraph 3.8.5 |) shall demonstrate that there is no project or VPA by the same project developer which is design certified or under design review using this methodology within 1 km of the project boundary of the proposed project at the closest point.  | There are no project or VPA by the same project owner or implementer using this methodology within 1 km of the project boundary. |

* 1. Project boundary

|  |  |  |  |
| --- | --- | --- | --- |
| Source | GHGs | Included? | Justification/Explanation |
| **Baseline scenario** | Emissions from continuously flooded rice fields | CO2  | No  | Excluded as per methodology guidance  |
| CH4  | Yes  | Major source of emissions  |
| N2O  | No  | Excluded as per methodology guidance  |
| … |  |  |
| … | … |  |  |
| … |  |  |
| … |  |  |
| **Project scenario** | Emissions from fields with single or multiple drainage | CO2  | No  | Excluded as it is not significant  |
| CH4  | Yes  | Major Source of emissions  |
| N2O  | No  | Excluded as it is not significant  |
| … |  |  |
| Emissions from N-inputs in the project fields | CO2  | No  | Excluded as it is not significant  |
| CH4  | No  | Excluded as it is not significant  |
| N2O  | Yes | Major Source of emissions |
| Emissions from fields preparations | CO2  | Yes  | Major Source of emissions  |
| CH4  | No  | Excluded as it is not significant  |
| N2O  | No  | Excluded as it is not significant  |

*Define the project boundary of the project activity, including the physical delineation of the project activity:*

1. *where possible, present a flow diagram of the project boundary based on the description provided in* [*Technologies and/or measures*](#check1) *above (a list of the facilities, systems and equipment that will be installed and/or modified by the project.*
2. *For greenhouse gas (GHG) methodologies, include which sources and GHGs are included in the project boundary, in accordance with the applied methodologies.*
3. *For GHG methodologies, use the table in the form to describe emission sources and GHGs included in the project boundary for the purpose of calculating project emissions, baseline emissions and if applicable, leakage emissions.*
	1. Establishment and description of baseline scenario

*Describe the baseline scenario for the project activity and explain how it is established in accordance with:*

1. *Selected methodology(ies) and*
2. *relevant applicable legislation and how effectively these are enforced (GS4GG Principle 1)*

As per Section 3.3.1 of the methodology, the baseline scenario is the continuation of the current practice i.e., transplanted and continuously flooded rice cultivation in the project fields, which results in the release of additional methane (CH4) emissions into the atmosphere. The PD has conducted a baseline survey of the project area with consideration of the mandatory (and optional) conditions for stratification. I.e.:

1. Water regime – on-season
2. Water regime – pre-season
3. Organic amendment (application rate)
4. Organic amendment (type)



The baseline survey results show that the farmers follow continuously flooded rice cultivation in the baseline scenario. The sample size and sampling process were based on CDM guideline: “General Guidelines for Sampling and surveys for CDM project activities and programmes of activities”, version 4.0, as described in the baseline survey report.

* 1. Demonstration of additionality

The PD shall choose the approach for demonstrating the additionality as per the below decision tree:



The actions under the proposed project will promote improved agriculture practices in the rice cultivation fields including but not limited to alternate wetting and drying (AWD) techniques. There are no laws or regulations in the geographical/physical boundary of the project mandating the technology/measures of the project. The activities under the project are voluntary and coordinated by the PD. The voluntary coordinated activities would not occur in the absence of support from carbon finance.

As per the section 3.2 of the methodology, the additionality can be demonstrated as:

The project developer shall demonstrate that the project could not or would not take place without carbon finance. The project developer shall demonstrate additionality by conforming to additionality requirements of one of the options below:

1. **Applicable GS4GG Activity Requirements;**
2. CDM Tool 01 - Tool for the Demonstration and Assessment of Additionality;
3. CDM Tool 19- Demonstration of additionality of microscale project activities;

(not applicable to Gold Standard microscale projects)

1. CDM Tool 21 – Demonstration of additionality of small-scale project activities;

(applicable to small-scale projects only)

1. An approved Gold Standard VER additionality tool

Option (a) was selected and the additionality has been demonstrated inline with the [LUF Activity Requirements](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/). The project applies the guidance in paragraph 3.1.16.c. Option 3 - Activity Penetration (AGR project specific) approach of demonstrating additionality. The project is applying GHG Emissions Reductions & Sequestration Product Requirements and annual GHGs reductions are less than 60,000 tCO2eq. Besides, the project activity is adopted by less than 5% of farmers in the Reference Area. Hence the project is deemed additional.

* + 1. Prior Consideration

*Only (non-CER) retroactive projects and all projects undergoing Design Changes to include new technologies/measures are required to demonstrate Prior consideration by submission timelines. Use this space to supply evidence that the:*

1. *time of first submission is within 5 years of the project start date, OR*
2. *the request for Design Change approval is within one year of the Design Change start date.*

*Mark N/A if project regular, has no Design Changes.*

The project start date is DD/MM/YYYY which is the date of land preparation of project area under the project. The first submission of the project documents to preliminary review is within 5 years of start of the project. Hence, the project fulfils the prior consideration requirements.

* + 1. Ongoing Financial Need

*This information need only be included at Design Certification Renewal and only for those projects that are required to demonstrate financial additionality.*

*Please provide a short narrative that demonstrates how the revenue from Gold Standard certification is material to the ongoing sustainability of the project. Commercially sensitive or confidential information need not be disclosed and may be referred to in other attached documentation.*

* 1. Sustainable Development Goals (SDG) outcomes

Relevant Target/Indicator for each of at least three SDGs

|  |  |  |
| --- | --- | --- |
| SUSTAINABLE DEVELOPMENT GOALS TARGETED | MOST RELEVANT SDG TARGET | SDG IMPACT |
| INDICATOR (PROPOSED OR SDG INDICATOR) |
| SDG 13 Climate Action (mandatory) | N/A | Emissions Reductions |
| SDG 2 Zero Hunger  | 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.  | Increased productivity   |
| SDG 4 Quality education  | 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship.  | Number of trained farmers  |
| SDG 8 Decent Work and Economic Growth  | 8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value  | Total number of created jobs  |

* + 1. Explanation of methodological choices/approaches for estimating the SDG Impact

*Under headings for each SDG, explain how the methodological steps in the selected methodology(ies) or proposed approach for calculating baseline and project outcomes are applied. Clearly state which equations will be used in calculating net benefit.*

*The SDG 13 impact shall be based on the selected SDG indicator. E.g., the baseline situation of SDG 13 impact should be based on the selected indicator whether it is the “amount of emission reduction” or “amount of emission”. In case of “reduction” indicator, the baseline situation, there might be “no emission reduction” which means the baseline estimate is zero. Similarly with the project situation of SDG 13 impact, in case of “reduction” indicator, the project situation would be the same as the emission reduction.*

SDG 13 - Climate Action (mandatory)

The PD shall choose the calculation approach as per the below decision tree:



* + 1. Data and parameters fixed ex-ante

*For each of the minimum three SDGs addressed by the project, specify the relevant* [*SDG*](https://unstats.un.org/sdgs/metadata/) *Target, then the SDG Indicator or, if required, a proposed indicator. A project cannot be Listed until a minimum of three SDGs are specified.*

*An SDG Impact is demonstrated by either an SDG Indicator or Proposed Indicator (with justification). Copy each SDG Impact across to Table 1 and provide an estimate of the values.*

*Note: SDG 13 is mandatory and may simply be demonstrated by VERs – no SDG 13 Target is required in this case. The SDG Impact is Emissions Reductions/Removals.*

 **SDG13**

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.1** |
| **Data/Parameter:** |  GWPCH4  |
| Data unit:  | tCO2e/tCH4  |
| Description:  | Global warming potential of CH4 (t CO2e/t CH4) Value to be applied based on the latest IPCC guidelines. For this methodology the value to be considered is: 28; as per the latest notification on the same by the Gold Standard.   |
| Source of data:  |   IPCC AR5 |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID** | AWD.2 |
| Data / Parameter:  |   GWPN2O  |
| Data unit:  | tCO2e/t N2O  |
| Description:  | Global warming potential of N2O  Value to be applied based on the latest IPCC guidelines. For this methodology the value to be considered is: 265; as per the latest notification on the same by the Gold Standard.   |
| Source of data:  |   IPCC AR5  |
| Any comment:  |    |

|  |  |
| --- | --- |
| **Data/parameter ID** | AWD.3 |
| Data / Parameter:  |   $EF\_{BL,c}$ |
| Data unit:  | kgCH4/ha/day or kgCH4/ha/season |
| Description:  | Baseline emission factor for continuously flooded fields without organic amendments.Refer Table 9 for the values.   |
| Source of data:  |   IPCC guidelines (2019) |
| Any comment:  |   Country specific default values, regional values and global values are to be considered in that order of preference.  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.4** |
| Data / Parameter:  | $EF\_{N}$  |
| Data unit:  | t CO2e/t N-input   |
| Description:  | N2O Emission factor per unit of N-input in rice fields. The value to be used in case of single and multiple drainage: 0.00786 kg N2O/kg N input. The value is to be applied in cases where there is an increase in N-input in the project scenario as compared to the baseline.   |
| Source of data:  | Emission factor calculated from Table 11.1, Chapter 11, Volume 4, 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories (tCO2e) |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.5** |
| Data / Parameter:  | $$CF\_{N2O}$$ |
| Data unit:  | kg N2O/kg N input |
| Description:  | N2O-factor1 based on IPCC guidelines (2019). Apply value 0.00314 kg N2O/kg N input. This is to be applied to compensate for increase in N2O emissions in AWD rice fields as compared to continuously flooded rice fields. |
| Source of data:  | IPCC guidelines (2019) |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID**  | **AWD.6** |
| Data / Parameter:  | $SF\_{BL,w}$ *or* $SF\_{P,w}$ |
| Data unit:  |   |
| Description:  | Baseline or project scaling factors to account for the differences in water regime during the cultivation period.Values given below can be applied.

|  |  |
| --- | --- |
| Water regime during the cultivation period  | $SF\_{BL,w}$ or $SF\_{P,w}$  |
| Irrigated  | Continuously flooded  | 1  |
| Single drainage period  | 0.71  |
| Multiple drainage periods  | 0.55  |

  |
| Source of data:  | The average values in 2019 refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories   |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.7** |
| Data / Parameter:  | $SF\_{BL,p}$or $SF\_{P,p}$ |
| Data unit:  |  - |
| Description:  | Baseline or project scaling factors to account for the differences in water regime in the pre-season before the cultivation period.Use the following values:

|  |  |
| --- | --- |
| Water regime prior to rice cultivation  | $SF\_{BL,p}$ or $SF\_{P,p}$  |
| Non flooded pre-season < 180 days (indicating double cropping)  | 1  |
| Non flooded pre-season > 180 days (indicating single cropping)  | 0.89  |

  |
| Source of data:  | IPCC guidelines (2019), volume 4, Chapter 5.5, Table 5.13.      |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.8** |
| Data / Parameter:  | $SF\_{BL,o}$or $SF\_{P,o}$ |
| Data unit:  |  - |
| Description:  | Baseline or project scaling factors should vary for both type and amount of organic amendment applied   |
| Source of data:  | from IPCC 2019, volume 4, chapter 5.5, Table 5.14.

|  |  |
| --- | --- |
| Water regime prior to rice cultivation  |  $SF\_{BL,o}$or $SF\_{P,o}$ |
| Non flooded pre-season < 180 days (indicating double cropping)  | (1 + 5 × 1)0.59 = **2.88**  |
| Non flooded pre-season > 180 days (indicating single cropping)  | (1 + 5 × 0.19)0.59 = **1.48**  |

 |
| Any comment:  | .  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.9** |
|  Data / Parameter:  |  $EF\_{ER}$  |
| Data unit:  | kgCH4/ha/day  |
| Description:  | Methane emission factor to be considered where there is a shift from continuously flooded rice fields.

|  |  |
| --- | --- |
| Cropping Pattern  | Emission Factors to be applied in Equation (10) EFER (kgCH4/ha/day)  |
| Project activities that shift to intermittent flooding (single drainage)  | Project activities that shift to intermittent flooding (multiple drainage)  |
| Double cropping regions  | 1.00   | 1.55  |
| Single cropping regions  | 0.45  | 0.71  |

 |
| Source of data:  |  IPCC guidelines (2019) |
| Any comment:  | - |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.10** |
| Data / Parameter:  | $EF\_{fuel,i}$  |
| Data unit:  | tCO2e/TJ |
| Description:  | Emission factor of fuel type i based on IPCC guidelines   |
| Source of data:  | Applicable IPCC guidelines  |
| Any comment:  | To be applied for fuel type I used to prepare the fields if applicable. The value should be mentioned in the PDD. |

**SDG n**

***Under headings for each SDG****, include a compilation of information on the data and parameters that are not monitored during the crediting period but are determined before design certification and remain fixed throughout the crediting period (like IPCC defaults and other methodology defaults).*

*Copy the table for each piece of data and parameter. Where ex-ante parameters are used to calculate more than one SDG (for example Installed Capacity, numbers of technology), always include it under the SDG 13 heading first (if it is used for SDG 13) and use Additional Comment to explain which other SDGs rely on the same parameter. Do not duplicate parameter tables.*

*A guide to completing the table is below.*

*“Value(s) applied”: provide the value applied. Where a time series of data is used, where several measurements are undertaken or where surveys have been conducted, supply detailed information in the appendix or as annexes. To report multiple values referring to the same data or parameter, use one table. If necessary, use references to spreadsheets;*

1. *For the row “Source of data”, ensure that the source of data are provided so that they can be reviewed; The name and reference of the supporting documentation must match.*

*“Value(s) applied”: provide the value applied. Where a time series of data is used, where several measurements are undertaken or where surveys have been conducted, supply detailed information in the appendix or as annexes. To report multiple values referring to the same data or parameter, use one table. If necessary, use references to spreadsheets;*

1. *For the row “Source of data”, ensure that the source of data are provided so that they can be reviewed; The name and reference of the supporting documentation must match*

*the quoted source for easy traceability during certification.*

*“Measurement methods and procedures”: where values are based on measurement, include a description of the measurement methods and procedures applied (e.g. which standards have been used), indicate the responsible person/entity that undertook the measurement, the date of the measurement and the measurement results.*

*“Purpose of data”: choose one of the following:*

* + - 1. *Calculation of baseline scenario;*
			2. *Calculation of project scenario;*
			3. *Calculation of leakage.*
		1. Ex-ante estimation of SDG Impact

*Provide a transparent ex-ante calculation of baseline and project scenarios (or, where applicable, direct calculation of net benefit) during the crediting period, applying all relevant equations provided in the selected methodology(ies) or as per proposed approach. For data or parameters available before design certification, use values contained in the table in section B.6.3 above. For data/parameters not available before design certification and monitored during the crediting period, use estimates contained in the table in section B.7.1*

*A reader should be able to see how each equation is applied, in such a manner that enables them to reproduce the calculation.*

The PD shall also assess the Uncertainty to be applied in the ER calculation as in the below diagram:



* + 1. Summary of ex ante estimates of each SDG Impact

|  |  |  |  |
| --- | --- | --- | --- |
| YEAR | BASELINE ESTIMATE | PROJECT ESTIMATE | NET BENEFIT |
| Year 1 |  |  |  |
| Year 2 |  |  |  |
| Year 2 |  |  |  |
| Year 4 |  |  |  |
| Year 5 |  |  |  |
| Year 6 |  |  |  |
| Year 7 |  |  |  |
| Year 8 |  |  |  |
| Year 9 |  |  |  |
| Year 10 |  |  |  |
| Total |  |  |  |
| **Total number of crediting years** | **10** |
| **Annual average over the crediting period** |  |  |  |

*Summarise the results of the ex-ante calculation of SDG Impacts for all years of the crediting period of the project activity, using the table. Each year must be for a 12 month period and must reflect events that may influence emission reductions (for example roll out periods, technology lifetimes)*

* 1. Monitoring plan
		1. Data and parameters to be monitored

Copy the table for each piece of data and parameter; use headings to group parameter tables by SDG

**SDG 13**

|  |  |
| --- | --- |
| **Parameter ID** | AWD.11 |
| Data/Parameter: | $$EF\_{BL,s,g}$$ |
| Data unit: | kgCH4/ha per season |
| Description: | Baseline emission factor |
| Source of data: | Weekly log books, consolidated into seasonal datasheets |
| Monitoring frequency: | Weekly measurements as per closed chamber method guidance, seasonally integrated. |
| QA/QC procedures: | The instructions in the Appendix A (Guidelines for measuring methane emissions from rice fields) to be followed. |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | AWD.12 |
| Data/Parameter: | $$EF\_{P,s,g}$$ |
| Data unit: | kgCH4/ha per season |
| Description: | Project emission factor |
| Source of data: | Weekly log books, consolidated into seasonal datasheets |
| Monitoring frequency: | Weekly measurements as per closed chamber method guidance, seasonally integrated. |
| QA/QC procedures: | The instructions in the Appendix A (Guidelines for measuring methane emissions from rice fields) to be followed. |
| Any comment: | - |
|  | - |

|  |  |
| --- | --- |
| **Parameter ID** | AWD.13 |
| Data/Parameter: | $$A\_{s,g}$$ |
| Data unit: | ha |
| Description: | Aggregated project area in a given season *s* |
| Source of data: | Land area survey documentation of the project |
| Monitoring frequency: | During every season |
| QA/QC procedures: | To be determined by collecting the project field sizes in a project database. The size of project fields shall be determined by GPS or satellite data. Should such technologies not be available, established field size measurement approaches shall be used provided that uncertainties are taken into account in a conservative manner.To scale maps that show the project fields clearly will help in ascertaining the exact area. Remote Sensing images of appropriate resolution may be used to ascertain the project boundary and area under various strata and area groups with high confidence. |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | AWD.14 |
| Data/Parameter: | $$A\_{y}$$ |
| Data unit: | ha |
| Description: | Aggregated project area in year *y*. |
| Source of data: | Land area survey documentation of the project |
| Monitoring frequency: | Annual |
| QA/QC procedures: | To be determined by collecting the project field sizes in a project database. The size of project fields shall be determined by GPS or satellite data. Should such technologies not be available, established field size measurement approaches shall be used provided that uncertainties are taken into account in a conservative manner.To scale maps that show the project fields clearly will help in ascertaining the exact area. Remote Sensing images of appropriate resolution may be used to ascertain the project boundary and area under various strata and area groups with high confidence. |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | AWD.15 |
| Data/Parameter: | $$L\_{y}$$ |
| Data unit: | days/year |
| Description: | Cultivation period of rice in year *y* |
| Source of data: | Farm log books |
| Monitoring frequency: | Annual |
| QA/QC procedures: | Logbooks may be compiled into a project record book by the project developer. Internal checks may be done to ascertain correctness of entries at farm level. |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | **AWD.16** |
| Data/Parameter: | Water regime – on -season |
| Data unit: | -- |
| Description: | Water regime can be categorised as Continuously flooded,Single Drainage, Multiple Drainage |
| Source of data: | Information collected and recorded by farmer or project developer by appropriate means |
| Monitoring frequency: | Annual  |
| QA/QC procedures: | - |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | **AWD.17** |
| Data/Parameter: | Water regime – pre-season |
| Data unit: | - |
| Description: | Water regime can be categorised Flooded, Short drainage <180d), Long drainage (>180d) |
| Source of data: | Information collected and recorded by farmer or project developer by appropriate means |
| Monitoring frequency: | Annual  |
| QA/QC procedures: | - |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | **AWD.18** |
| Data/Parameter: | Organic amendment |
| Data unit: | kg |
| Description: | Organic amendment can be categorised Straw on-season,Green manure, Straw off-season, Farm yard manure, Compost, No organic amendment |
| Source of data: | For baseline: Can be based on studies that are relevant to the area, information from official sources or reputed research bodies, interviews with farmers, or other such records of applications in the baseline. Sampling is allowed. For project scenario: Information recorded by farmer in log books during application, compiled into a spreadsheet for the entire project |
| Monitoring frequency: | Annual  |
| QA/QC procedures: | Quantity of organic amendments to be recorded category wise for items provided in ‘description’ above. |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | **AWD.19** |
| Data/Parameter: | Synthetic fertiliser |
| Data unit: | kg |
| Description: | Quantity of synthetic fertiliser applied in the project fields. |
| Source of data: | For baseline: Can be based on studies that are relevant to the area, information from official sources or reputed research bodies, interviews with farmers, or other such records of applications in the baseline. Sampling is allowed.Information recorded by farmer in log books during application, compiled into a spreadsheet for the entire project |
| Monitoring frequency: | Annual  |
| QA/QC procedures: | - |
| Any comment: | - |

|  |  |
| --- | --- |
| **Parameter ID** | **AWD.20** |
| Data/Parameter: | $Q\_{F,i}$  |
| Data unit: | Liter |
| Description: | Quantity of fossil fuel consumed by farming equipment, specialised vehicles (tractors, land movers etc.) during land preparation for implementing the project. The same will be used in calculating project emissions from land preparation. |
| Source of data: | Records of type of equipment used, type of fuel and time operated, or can be estimated using operational records. |
| Monitoring frequency: | Only year 1 of field operation of respective project fields |
| QA/QC procedures: | IPCC default values to be applied for emission calculation. Efficiency of equipment (if required) shall follow manufacturer’s manual, or details of comparable devices.  |
| Any comment: | To be monitored only for the first year of field operation. Emissions from land preparation beyond first year of field operation is deemed to be insignificant. |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.21** |
| Data / Parameter:  | $$Q\_{N,Proj,g}$$ |
| Data unit:  | tonnes kg N-input per hectare  |
| Description:  | Application rate of N-inputs in the project scenario in area group g where it exceeds the baseline application rate   |
| Source of data:  | Fertiliser application log books from farmers, surveys among farmers.   |
| Monitoring frequency  | Annual   |
| QA/QC procedures  | Consolidated purchase receipts could be considered to check the N-inputs.  |
| Any comment:  |  - |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.22** |
| Data / Parameter:  | $A\_{g}$  |
| Data unit:  | hectare  |
| Description:  | Area of project fields of group g (ha)  |
| Source of data:  | From the project stratification maps.  |
| Monitoring frequency  |  Annual |
| QA/QC procedures  | To be determined by collecting the project field sizes based on stratification in a project database. The size of project fields shall be determined by GPS or satellite data. Should such technologies not be available, established field size measurement approaches shall be used provided that uncertainties are taken into account in a conservative manner.To scale maps that show the project fields clearly will help in ascertaining the exact area. Remote Sensing images of appropriate resolution may be used to ascertain the project boundary and area under various strata and area groups with high confidence.  |
| Any comment:  |  |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.23** |
| Data / Parameter:  | $$SF\_{s}$$ |
| Data unit:  |  - |
| Description:  | Scaling factor should vary for both type and amount for soil type  |
| Source of data:  | Emission data for different soil types and rice cultivar are available and can be used to derive $SF\_{s}$ and $SF\_{r}$, respectively, for Tier 2 method. Both experiments and mechanistic knowledge confirm the importance of these factors, but large variations within the available data do not allow one to define reasonably accurate default values for Tier 1 method. |
| Monitoring frequency  |  Once at the beginning of each crediting period |
| QA/QC procedures  |  - |
| Any comment:  |  - |

|  |  |
| --- | --- |
| **Data/parameter ID** | **AWD.24** |
| Data / Parameter:  | $SF\_{r}$  |
| Data unit:  |  - |
| Description:  | Scaling factor based on type and amount for rice cultivar  |
| Source of data:  | Emission data for different soil types and rice cultivar are available and can be used to derive $SF\_{s}$ and $SF\_{r}$, respectively, for Tier 2 method. Both experiments and mechanistic knowledge confirm the importance of these factors, but large variations within the available data do not allow one to define reasonably accurate default values for Tier 1 method  |
| Monitoring frequency  | Once at every season |
| QA/QC procedures  | - |
| Any comment:  | - |

**SDG2**

|  |  |
| --- | --- |
| Data/parameter  | Area under project activity  |
| Unit  | ha  |
| Description  | Number of hectors of rice fields implementing the alternate wetting and drying practices.  |
| Source of data  | Farmer contracts  |
| Value(s) applied  | ha  |
| Measurement methods and procedures  | The project field area has been initially collected from each farmer during onboarding and created the farmer database with all details including agreed area under the project activity. Further, the project field area under this project activity is determined as kml polygons through GPS technology.  |
| Monitoring frequency  | Every season  |
| QA/QC procedures  | Transparent data analysis and reporting.  |
| Purpose of data  | To monitor the positive contribution of the proposed project related to the SDG2.  |
| Additional comment  | None  |

**SDG4**

|  |  |
| --- | --- |
| Data/parameter  | The number of employees  |
| Unit  | -  |
| Description  | Number of employees who has received (full time, part time or temporary), by gender who received training services of any type via project during the reporting period.  |
| Source of data  | Training calendars  |
| Value(s) applied  |  |
| Measurement methods and procedures  | Trainings for each implementation steps of project activity will be conducted and trainings record will be maintained.  |
| Monitoring frequency  | Every season  |
| QA/QC procedures  | Transparent data analysis and reporting.  |
| Purpose of data  | To monitor the positive contribution of the proposed project related to the SDG4.  |
| Additional comment  | None  |

**SDG8**

|  |  |
| --- | --- |
| Data/parameter  | The number of employees  |
| Unit  | -  |
| Description  | Total jobs generated as a result of the project.  |
| Source of data  | Employment record  |
| Value(s) applied  |  |
| Measurement methods and procedures  | The employee details will be maintained under the project database.  |
| Monitoring frequency  | Every season  |
| QA/QC procedures  | Transparent data analysis and reporting.  |
| Purpose of data  | To monitor the positive contribution of the proposed project related to the SDG8.  |
| Additional comment  | None  |

*Under headings for each SDG, include specific information on how the data and parameters that need to be monitored in the selected methodology(ies) or proposed approaches.*

*Copy the table for each piece of data and parameter. Where ex-ante parameters are used to calculate more than one SDG (for example Usage Rate), always include it under the SDG 13 heading first (if relevant) and use Additional Comment to explain which other SDGs rely on the same parameter. Do not duplicate parameter tables.*

*Use the same guide as B.6.3. and*

*“QA/QC procedures”: describe the Quality Assurance (QA)/Quality Control (QC) procedures to be applied, including the calibration procedures, where applicable;*

* + 1. Sampling plan

*If data and parameters monitored in section B.7.1 above are to be determined by a sampling approach (i.e. not all technologies/units are measured/monitoring, provide a description of the sampling plan. Please refer to the latest version of* [*Standard*](https://cdm.unfccc.int/Reference/Standards/index.html)*: Sampling and surveys for CDM project activities and programme of activities*

***LUF projects are also required to provide summary information on project stratification (e.g. how strata were determined etc).  Please insert appendices as necessary.***

* + 1. Other elements of monitoring plan

*Describe the other elements of the monitoring plan, including the operational and management structure for monitoring, provisions for data archiving, and responsibilities and institutional arrangements for data collection and archiving.*

***LUF projects are also required to provide summary information on the Uncertainty Assessment as per Annex A of the LUF Requirements***

1. DURATION AND CREDITING PERIOD
	1. Duration of project

* + 1. Start date of project

*Specify start date of the project in DD/MM/YYYY format*

*Define the start date as per GS4GG Principle 4. [Unless otherwise stated in the applied Activity/Product Requirements (e.g. LUF Requirements), the start date is ‘’the earliest date on which the Project Developer has committed to expenditures related to the implementation of the Project’’]*

*State (and supply a copy where relevant) the evidence proving this date.*

*As per GS4GG Principle 4, Justify if the project is regular, or retroactive and ensure KPI table matches.*

* + 1. Expected operational lifetime of project

*Specify in years and months how long the project will be active.*

* 1. Crediting period of project
		1. Start date of crediting period

*Specify in dd/mm/yyyy.*

*For most projects, this is the start of project operation or a maximum of two years prior to the date of Project Design Certification whichever is later.*

*For Projects applying LUF Requirements, it is a maximum of three years prior to the date of Project Design Certification. Please refer to* [*GHG Product Requirements*](https://globalgoals.goldstandard.org/501-pr-ghg-emissions-reductions-sequestration/)*.*

* + 1. Total length of crediting period

*All GS4GG projects operate on a renewable 5-year cycle except transition projects which maintain their existing crediting cycle and maximum crediting periods.*

*Refer to Principle 4 of the applied* [*Activity Requirements*](https://globalgoals.goldstandard.org/203-ar-luf-activity-requirements/) *to determine the maximum length of crediting period; where no Activity Requirements are applied, the maximum length is 10 years.*

*Where a Gold Standard Project has been or is registered under other voluntary carbon standards or certification schemes, the total aggregated crediting period under all schemes combined shall not exceed the maximum allowed under Gold Standard*

1. SUMMARY OF SAFEGUARDING PRINCIPLES AND GENDER SENSITIVE ASSESSMENT
	1. Safeguarding Principles that will be monitored

A completed Safeguarding Principles Assessment is in [Appendix 1](#_APPENDIX_1_–), ongoing monitoring is summarised below.

*A project meets Requirements via a detailed Safeguarding Principles Assessment by either design, management or risk mitigation. This table is a summary of the Assessment available in* [*Appendix 1*](#_Appendix_1_-) *to clearly show which aspects form part of the Project monitoring plan.*

*You may also complete parameter boxes in B.7.1 (where suitable); if this is the case, you can simply mark ‘refer to B.7.1’ for each relevant safeguard in the table. In either case, the approach to monitoring must be clearly shown and referenced via this table.*

*Complete the assessment (following the instructions given) and copy the relevant results into the table - you only need copy measures that you will monitor. You do not need to copy across any other information.*

|  |  |
| --- | --- |
| PRINCIPLES | MITIGATION MEASURES ADDED TO THE MONITORING PLAN |
| Principle 1. Human Rights  |  |
| Principle 2. Gender Equality |  |
| Principle 3. Community Health, Safety and Working Conditions |  |
| Principle 4.1 Sites of Cultural and Historical Heritage  |  |
| Principle 4.2 Forced Eviction and Displacement  |  |
| Principle 4.3 Land Tenure and Other Rights  |  |
| Principle 5. Corruption  |  |
| Principle 6.1 Labour Rights  |  |
| Principle 6.2 Negative Economic Consequences  |  |
| Principle 7.1 Emissions  |  |
| Principle 7.2 Energy Supply  |  |
| Principle 8.1 Impact on Natural Water Patterns/Flows  |  |
| Principle 8.2 Erosion and/or Water Body Instability  |  |
| Principle 9.1 Landscape Modification and Soil  |  |
| Principle 9.2 Vulnerability to Natural Disaster  |  |
| Principle 9.3 Genetic Resources  |  |

* 1. Assessment that project complies with GS4GG Gender Sensitive requirements.

|  |  |
| --- | --- |
| Question 1 - Explain how the project reflects the key issues and requirements of Gender Sensitive design and implementation as outlined in the Gender Policy? |  |
| Question 2 - Explain how the project aligns with existing country policies, strategies and best practices |  |
| Question 3 - Is an Expert required for the Gender Safeguarding Principles & Requirements? |  |
| Question 4 - Is an Expert required to assist with Gender issues at the Stakeholder Consultation? |  |

*Answer the questions in the table,*

1. *provide evidence that the Project concept and design covers the overall societal context from a gender perspective*
2. *Justify how the project complies with local policies on gender or women empowerment (where they exist)*
3. *Question 3 of the Gender Requirements is addressed by default in the GS4GG Safeguarding principles assessment; provide your view if an expert is needed. An expert may be required if Gender is not adequately addressed in the Safeguarding principles assessment.*
4. *Question 4 of the Gender Requirements is addressed by default in GS4GG Stakeholder Consultations; provide your view if an expert is needed. An expert may be required if the consultations present particular challenges from a Gender perspective.*

*Please refer to Gold Standard* [*Gender Equality Guidelines and Requirements*](https://globalgoals.goldstandard.org/104-par-gender-equality-requirements-and-guidelines/) *and the Gold Standard* [*Gender Policy*](https://globalgoals.goldstandard.org/000-6-gov-gender-policy/) *for more information.*

1. SUMMARY OF LOCAL STAKEHOLDER CONSULTATION

The below is a summary of the 2 step GS4GG Consultation for monitoring purposes. Pleaserefer to the separate Stakeholder Consultation Report for a complete report on the initial consultation and stakeholder feedback round.

* 1. Summary of stakeholder mitigation measures

*Summarise all concerns that were raised by stakeholders during the stakeholder consultations* *(including the stakeholder comments/feedbacks due to the project design change, if applicable) for which mitigation measures were proposed. Detail how the mitigation measure (s) will be monitored (if required or a commitment to stakeholders was made).*

* 1. Final continuous input / grievance mechanism

|  |  |
| --- | --- |
| 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) |  |
| GS Contact (mandatory) | help@goldstandard.org  |
| Other |  |

*Please declare the final methods agreed with stakeholders during the consultation process (note that justification is not required in this document). The Design Certified PDD must contain the most up to date version of this table for transparency.*

*All issues identified during the crediting period through any of the Methods should be declared in the monitoring report and have a response or appropriate mitigation measure in place. Mitigation measures that require ongoing monitoring must be added to the monitoring plan.*

### Appendix 1 - Safeguarding Principles Assessment

*Follow these instructions to complete the Assessment table in full below then copy any Mitigation Measures for each Principle into* [*SECTION D*](#check2) *above. New questions may be added depending on the specific context of any given project.*

***Requirements****: The Project shall provide responses to assessment questions, including justifications for responses following the below guidance:*

|  |  |  |
| --- | --- | --- |
| *Response* | *Meaning* | *Guidance* |
| *“Yes”* | *Meaning that the risk or expected issue identified in the assessment question is relevant to the project and context taking into account the scope and scale of the project.* | *The requirements apply and adherence shall be demonstrated. All information must be included in the Monitoring & Reporting Plan and future Monitoring Reports.* |
| *“Potentially”* | *Meaning that the risk or expected issue may be relevant at some point in the Project’s cycle but is not necessarily relevant now and/or may never arise.* | *The requirements apply but the Project may justify with evidence why these requirements do not need to be demonstrated as being met. The project shall update information on any assessment questions answered ‘Potentially’ for each monitoring report.*  |
| *“No”* | *Meaning that the risk or expected issue is not relevant to the Project.* | *Justification shall be provided to support this conclusion, with evidence provided where required.*  |
| *“NA”* | *Meaning the question is not relevant to the project and its potential impact.* | *Not action is needed.*  |

*The Safeguarding Principles Assessment shall include a description with justifications on how a project met or will meet (i.e., monitor if needed) these Requirements.*

*The Requirements shall guide mitigation proposal where a risk is identified, i.e., the mitigation proposal to address identified risk shall be designed with the intention of achieving the stated Requirements.*

*The scope of each Requirement (for example, its application during implementation or to upstream or downstream issues) is defined within the relevant section.*

Complete the Assessment below and copy all Mitigation Measures for each Principle into [SECTION D](#check1) above. Please refer to the instructions in the [Guide to Completing](https://globalgoals.goldstandard.org/t-prereview-design-document/) this Form.

|  |
| --- |
| **SOCIAL SAFEGUARDING PRINCIPLES** |
| Reference requirement  | Question | Response |
| **P.1 |Human Rights** |
| P.1.1.1 | | Does the project developer, its representatives and the Project disrespect internationally proclaimed human rights?  | ☐ YES☐ NO |
| P.1.1.1 | | Is the project involved or complicit in violence or human rights abuses of any kind as defined in the Universal Declaration of Human Rights? | ☐ YES☐ NO |
| P.1.1.2 | | Have local communities or individuals raised human rights concerns regarding the project (e.g., during the stakeholder engagement process, grievance processes, public statements)? | ☐ YES☐ NO |
| P.1.1.3 | | Is there a risk that rights-holders (e.g., Project-affected stakeholders) do not have the capacity to claim their rights? | ☐ YES☐ NO |
| P.1.1.3 | | Does this project undermine national or regional measures for the realisation of the right to development? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here…* |
| Would the project potentially involve or lead to: |
| P.1.1.1 | | adverse impacts on enjoyment of the human rights (civil, political, economic, social or cultural) of the affected population and particularly of marginalised groups? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.1.1.2 | | inequitable or discriminatory impacts on affected populations, particularly people living in poverty or marginalised or excluded individuals or groups, including persons with disabilities? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.1.1.3 | | restrictions in availability, quality of and/or access to resources or basic services, in particular to marginalised individuals or groups, including persons with disabilities? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.1.1.3 | | exacerbation of conflicts among and/or the risk of violence to project-affected communities and individuals? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| Briefly describe below how the project incorporates a human rights-based approach. For example, by describing how the project design: * is informed by human rights analysis, including from UN human rights mechanisms (human rights treaty bodies, universal periodic review, special procedures)
* includes measures to assist the government to realise (respect, protect and fulfil) human rights under international law and to implement human rights-related standards in national law (whichever is higher)
* enhances the availability, accessibility and quality of benefits and services for potentially marginalised individuals and groups, and to increase their inclusion in decision-making processes that may impact them (consistent with the non-discrimination and equality human rights principle)
* provides reasonable accommodations to strengthen inclusivity and accessibility of project benefits and services to persons with disabilities.
 |
| *Please add text here….*  |
| **P.2 |Gender Equality and Women’s Empowerment** |
| P.2.1.1 | | Have women’s groups/leaders raised gender equality concerns regarding the project, (e.g., during the stakeholder engagement process, grievance processes, public statements)? | [ ]  YES[ ]  NO |
| P.2.1.2 | | Does the project undermine the principles of non-discrimination, equal treatment, and equal pay for equal work? | [ ]  YES[ ]  NO |
| P.2.1.2 | | Does the project prevent men and women from having equal opportunities to participate in identified tasks and activities, whether through paid work, volunteer work, or community contributions, as appropriate? | [ ]  YES[ ]  NO |
| P.2.1.2 | | Does the project limit the participation of women or men based on pregnancy, maternity/paternity leave, or marital status? | [ ]  YES[ ]  NO |
| P.2.1.2 | | Is information about project objectives being communicated in a way that is inappropriate for the local context and not tailored to the methods of understanding of both women and men, which could hinder their participation? | [ ]  YES[ ]  NO |
| P.2.1.3 | | Has the project assessed gender risks without referencing the country's gender strategy or equivalent national commitment? | [ ]  YES[ ]  NO |
| P.2.1.4 | | Has expert stakeholder(s) been involved, and has their input been requested for the project design on gender equality and women's empowerment? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |  |
| P.2.1.1 | | adverse impacts on gender equality and/or the situation of women and girls? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.2.1.1 | | exacerbation of risks of gender-based violence? For example, through the influx of workers to a community, changes in community and household power dynamics, increased exposure to unsafe public places and/or transport, etc. | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.2.1.2 | | reproducing discriminations against women based on gender, especially regarding participation in design and implementation or access to opportunities and benefits? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.2.1.2 | | limitations on women’s ability to use, develop and protect natural resources, taking into account different roles and positions of women and men in accessing environmental goods and services?For example, activities that could lead to natural resources degradation or depletion in communities who depend on these resources for their livelihoods and well-being. | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| Briefly describe below how the project is addressing any identified risk to gender equality and women’s empowerment. |
| *Please add text here….* |
| **P.3 |Community Health AND Safety** |
| P.3.1.1 | | Does the project involve potential risks to the health and safety of affected communities during its life cycle? | [ ]  YES[ ]  NO |
| P.3.1.2 | | Does the project involve any potential risks to the workers' safety and health? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |
| P.3.1.1 | | construction and/or infrastructure development (e.g., roads, buildings, dams)? | [ ]  YES[ ]  NO |
| P.3.1.2 | | air pollution, noise, vibration, traffic, injuries, physical hazards, poor surface water quality due to runoff, erosion, sanitation? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.3.1.2 | | harm or losses due to failure of structural elements of the project (e.g., collapse of buildings or infrastructure)? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.3.1.2 | | risks of water-borne or other vector-borne diseases (e.g., temporary breeding habitats), communicable and noncommunicable diseases, nutritional disorders, mental health? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.3.1.2 | | transport, storage, and use and/or disposal of hazardous or dangerous materials (e.g., explosives, fuel and other chemicals during construction and operation)? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.3.1.2 | | adverse impacts on ecosystems and ecosystem services relevant to communities’ health (e.g., food, surface water purification, natural buffers from flooding)? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| Briefly describe below how the project is addressing any identified risk related to community health and safety. |
| *Please add text here….* |
| **P.4 |Cultural Heritage, Indigenous People, Displacement and Resettlement** |
| *P.4.1 |Sites of Cultural and Historical Heritage* |
| P.4.1.1 | | Does the project involve altering, damaging, or removing sites, objects, or structures of significant cultural heritage? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |
| P.4.1.1 | | activities adjacent to or within a cultural heritage site? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.1.1 | | significant excavations, demolitions, movement of earth, flooding or other environmental changes? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.1.1 | | alterations to landscapes and natural features with cultural significance? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.1.1 | | adverse impacts to sites, structures, or objects with historical, cultural, artistic, traditional or religious values or intangible forms of culture (e.g., knowledge, innovations, practices)? (Note: projects intended to protect and conserve Cultural Heritage may also have inadvertent adverse impacts) | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.1.2 | | utilisation of tangible and/or intangible forms (e.g., practices, traditional knowledge) of Cultural Heritagefor commercial or other purposes? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.1.2 | | If answer to question above is “YES” or “POTENTIALLY” - are the communities made aware of their right under the law, scope and nature of proposed development and its potential consequences? | [ ]  YES[ ]  NO[ ]  NA  |
| P.4.1.3 | | If answer to question above is “YES” - does the project provide equitable sharing of benefits from commercialisation of such knowledge, innovation, or practice, consistent with their customs and traditions? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.1.4 | | If answer to question above is “YES” - are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.1.4 | | If answer to question above is “YES”, has project design been changed, modified, updated considering opinions and recommendations of an Expert Stakeholder? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.4.2 |*Forced Eviction and Displacement* |
| P.4.2.1 | | Does the project involve any risks related to involuntary relocation of people? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |
| P.4.2.1 | | risk of forced evictions or involuntary relocation of people? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.2.2 | | temporary or permanent and full or partial physical displacement (including people without legally recognisable claims to land)? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.2.2 | | economic displacement (e.g., loss of assets or access to resources due to land acquisition or access restrictions – even in the absence of physical relocation)? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.2.2 | | If answer to question above is “YES” or “POTENTIALLY”, * has the project developed Resettlement Action Plan or Livelihood Action Plan in consultation and agreement with affected individual, group or community?
* has the project integrated Resettlement Action Plan or Livelihood Action Plan into the Project design?
 | [ ]  YES[ ]  NO[ ]  NA  |
| P.4.2.3 | | If answer to question above is “YES” - are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.2.3 | | If answer to question above is “YES”, have project design been changed, modified, updated considering opinions and recommendations of an Expert Stakeholder? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.4.3 |Land tenure and other rights |
| P.4.3.1 | | Does the project involve any risks related to identifying and managing legitimate tenure rights that may be affected by the project? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain the reason and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |
| P.4.3.1 | | impacts on or changes to land tenure arrangements and/or community-based property rights/customary rights to land, territories and/or resources? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.3.1 | | uncertainties with regards to land tenure, access rights, usage rights or land ownership?Examples include, but are not limited to water access rights, community-based property rights and customary rights. | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.3.2 | | Changes in legal arrangements, if yes, are the changes done in line with relevant laws and regulations? | [ ]  YES[ ]  NO[ ]  NA  |
| P.4.3.2 | | Changes in legal arrangements, if yes, are these changes agree with free, prior and informed consent of the involved stakeholders? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.3.3 | | Does some other entity (other than the project developer) hold uncontested land title for the entire Project Boundary?  | [ ]  YES[ ]  NO[ ]  NA |
| P.4.3.4 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.3.4 | | If answer to question above is “YES”, have project design been changed, modified, updated considering opinions and recommendations of an Expert Stakeholder? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.3.5 | | Have project developer in consultation with stakeholders established a functioning mechanism to receive, process, resolve, communicate and record grievances?  | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.4.4 |Indigenous peoples |
| P.4.4.1 | | Does the project involve Indigenous People within the Project area of influence who may be affected directly or indirectly by the Project? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: |
| P.4.4.1 | | affect areas where indigenous peoples are present (including project area of influence)  | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.4.1 | | affect areas, land and territory claimed by indigenous peoples? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.4.1 | | impacts (positive or negative) to the human rights, lands, natural resources, territories, and traditional livelihoods of indigenous peoples? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.4.7 | | If answer to above questions is ’’YES’’ or “POTENTIALLY”, * Is it determined that the proposed project may affect the rights, lands, resources, or territories of indigenous people?
* Has an "Indigenous People Plan" (IPP) or "Indigenous People Plan Framework" been elaborated and included in the project documentation?
* Was the plan developed in accordance with the effective and meaningful participation of indigenous peoples and in accordance with UNDP Guidelines?
 | [ ]  YES[ ]  NO[ ]  NA  |
| P.4.4.3 | | risk of forcibly removing indigenous people from their lands and territories? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.4.4 | | utilisation and/or commercial development of natural resources on lands and territories claimed by indigenous peoples?Consider, and where appropriate ensure, consistency with the answers under Principle 4.1 above | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.4.4.5 |P.4.4.6 | | If answer to question above is “YES” or “POTENTIALLY”* Did the project obtain free, prior and informed consent from indigenous people before taking their cultural, intellectual, religious, and/or spiritual property?
* Does the project ensure that the indigenous people receive an equitable sharing of benefits resulting from the use of their traditional knowledge and practices? ?
* Does the project ensure that the sharing of benefits resulting from the use of indigenous peoples' traditional knowledge and practices is culturally appropriate and inclusive?
* Does the project ensure that the provision of equitable sharing of benefits does not impede land rights or equal access to basic services including health services, clean water, energy, education, safe and decent working conditions, and housing?
 | [ ]  YES[ ]  NO[ ]  NA |
| P.4.4.8 | | Does the project lack appropriate feedback and grievance channels for Indigenous Peoples and their representatives? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.4.8 | | Has a grievance mechanism not been established at the beginning of programme or project implementation with due consideration given to customary dispute settlement mechanisms among the Indigenous Peoples concerned and will it remain operational throughout the project cycle? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.4.9 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| P.4.4.9 | | If answer to question above is “YES”, have project design been changed, modified, updated considering opinions and recommendations of an Expert Stakeholder? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| **P.5 |Corruption** |
| P.5.1.1 | | Does the project involve, or is it complicit in, contributing to or reinforcing corruption or corrupt projects? | [ ]  YES[ ]  NO |
| P.5.1.1 | | Does the project have a risk of encouraging bribery, kickbacks, or other unethical behavior? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| **ECONOMIC SAFEGUARDING PRINCIPLES** |
| **P.6 |Economic Impacts** |
| P.6.1 |Labour Rights and Working Conditions |
| P.6.1.1 | | Does the project involve, facilitate, or condone forced labor, or pose a potential risk of forced labor? | [ ]  YES[ ]  NO |
| P.6.1.1 | | Does the project violate any labor or health and safety laws, international obligations, or ILO conventions? | [ ]  YES[ ]  NO |
| P.6.1.2 | | Does the project violate the principles of equal opportunity and fair treatment in its employment decisions? | [ ]  YES[ ]  NO |
| P.6.1.3 | | Does the project violate national laws, if available regarding non-discrimination in employment? | [ ]  YES[ ]  NO |
| P.6.1.4 |P.6.1.5 | | Does the project allow child labor? | [ ]  YES[ ]  NO |
| P.6.1.7 |P.6.1.8 | | Does the project have insufficient processes and measures in place to ensure the safety and health of project workers? | [ ]  YES[ ]  NO |
| P.6.1.9 | | Does the project have insufficient measures to safeguard and support vulnerable project workers, such as women, people with disabilities, migrant workers, and young workers, and to prevent any kind of harassment, abuse, bullying, or exploitation, including gender-based violence (GBV)? | [ ]  YES[ ]  NO |
| P.6.1.10 | | Does the project have no grievance mechanism available for workers to voice workplace concerns? Is information about this mechanism not provided to workers at the time of recruitment, or is it not easily accessible? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project potentially involve or lead to: **(**note: applies to both project and contractor workers) |
| P.6.1.1 | | use of forced labour? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.1 | | working conditions that do not meet national labour laws and international commitments? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.1 | | working conditions that may deny freedom of association and collective bargaining? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.1 | | absence of documented working agreements with all individual workers *if such agreements do not exist, or do not address working conditions and terms of employment, the project developer shall provide reasonable working conditions and terms of employment.*  | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.1 | | use of migrant workers?*if engaged, the developer shall ensure that they are engaged substantially equivalent terms and conditions to non-migrant workers carrying out similar work.* | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.1 | | having no arrangements for basic services[[3]](#footnote-3) for workers?*the project developer shall put in place and implement policies on the quality and management of the accommodation and provision of basic services in a manner consistent with the principles of non-discrimination and equal opportunity. Workers’ accommodation arrangements should not restrict workers’ freedom of movement or of association* | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.2 | | any form of discrimination or harassment based on factors unrelated to job requirements, such as gender, race, nationality, ethnicity, social or indigenous origin, religion or belief, disability, age, or sexual orientation? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.2 | | any form of discrimination in any aspect of employment, such as recruitment, compensation, working conditions, training, job assignment, promotion, termination, or discipline? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.2 | | harassment, intimidation, and/or exploitation, especially in regard to women? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.3 | | discriminatory working conditions and/or lack of equal opportunity where national law provides provision to address non-discrimination in employment? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.4 | | use of child labour? (including third-party engaged workers) | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.1.4 | | inadequate and verifiable mechanisms for age verification? | [ ]  YES[ ]  NO |
| P.6.1.7 | | no processes and measures in place for the safety and health of project workers? | [ ]  YES[ ]  NO |
| P.6.1.7 | | No provision of safety and health training provisions, including on the proper use and maintenance of personal protective equipment conducted by competent persons and the maintenance of training records? | [ ]  YES[ ]  NO |
| P.6.1.7 | | No provision to record and document accidents, diseases, incidents, and any resulting injuries, illnesses, or deaths? | [ ]  YES[ ]  NO |
| P.6.1.8 | | occupational health and safety risks due to physical, chemical, biological and psychosocial hazards (including violence and harassment) throughout the project life-cycle? | [ ]  YES[ ]  NO |
| P.6.1.9 | | No measures to protect vulnerable project workers from harassment, exploitation, and gender-based violence (GBV)? This includes women, people with disabilities, migrant workers, and young workers. | [ ]  YES[ ]  NO |
| P.6.1.10 | | No grievance mechanism available for workers to voice workplace concerns. | [ ]  YES[ ]  NO |
| P.6.1.11 | | No measures for due diligence and the establishment of policies and procedures to manage and monitor the performance of third-party employees in the project? | [ ]  YES[ ]  NO |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.6.2 |Negative Economic Consequences |
| P.6.2.1 | | Is there a risk of project failure during implementation or after project certification due to a lack of financial resources? | [ ]  YES[ ]  NO |
| P.6.2.2 | | Does the project have potential negative impacts or pose a risk to the local economy? | [ ]  YES[ ]  NO |
| P.6.2.2 | | Are there any potential risks or negative impacts this project may have on vulnerable or marginalised social groups, despite the benefits it may bring? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here…* |
| **Would the project involve or lead to:** |
| P.6.2.2 | | economic impacts (negative/detrimental) to the local economy? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.6.2.2 | | negative economic consequences during and after project implementation, e.g., for vulnerable and marginalised social groups in targeted communities? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.7 |**Climate and Energy** |
| P.7.1 |GHG Emissions |
| P.7.1.1 | | Does the project have a risk of increasing greenhouse gas emissions over the Baseline Scenario? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.7.1.1 | | increase greenhouse gas emissions over the Baseline Scenario? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.7.2 |Energy supply |
| P.7.2.1 | | Does the project pose a risk to the availability and reliability of energy supply to other users? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.7.2.1 | | negative impact on the availability and reliability of energy supply to other users? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| **P.8 |Water** |
| P.8.1 |Impact on Natural Water Patterns/Flows |
| P.8.1.1 | | Does the project increase water usage to a level that will not allow for the maintenance of environmental flows? | [ ]  YES[ ]  NO |
| P.8.1.1 | | Does the project result in the discharge of wastewater that does not meet the required standard for beneficial reuse and could therefore negatively impact the environmental flow? | [ ]  YES[ ]  NO |
| P.8.1.1 | | Does the project have the potential risk to exceed the rate of recharge for the groundwater source? | [ ]  YES[ ]  NO |
| P.8.1.1 | | Does the project involve any processes or activities that could contaminate the groundwater and render it unsuitable for use? | [ ]  YES[ ]  NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.8.1.1 | | affect the natural or pre-existing pattern of watercourses, groundwater and/or the watershed(s) such as high seasonal flow variability, flooding potential, lack of aquatic connectivity or water scarcity? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.8.1.1 | | Wastewater discharge of quality that does not meet the required standard for beneficial reuse? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.8.1.1 | | significant extraction, diversion of ground water? For example, construction of dams, reservoirs, river basin developments, groundwater extraction | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.8.1.2 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.8.2 |Erosion and/or Water Body Instability |
| P.8.2.1 | | Does the project have a risk of negatively impacting the catchment and has it been assessed and addressed? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.8.2.2 |P.8.2.5 | | negatively impact on the catchment area?*If yes, Erosion prevention measures, including soil and slope protection measures, must be implemented before project commencement. These measures should involve natural terracing, infiltration strips, permanent ground cover, hedge and tree rows, and effective slope length assessment. Regular reassessment of these measures is necessary.* | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.8.2.6 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| **P.9 |Environment, ecology and land use** |
| P.9.1 |Landscape Modification and Soil |
| P.9.1.1 |-P.9.1.3 | | Is there any risk of soil resource degradation or loss of ecosystem services provided by soils in the project?*If yes, the project shall maintain healthy soils by minimising negative impacts on soil health, productivity, structure, and water retention. Steps to minimise soil degradation include crop rotation, composting, using N-fixing plants, and reducing tillage and ecologically harmful substances.* | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.1.4 | | production, harvesting, and/or management of living natural resources by small-scale landholders and/or local communities? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.1.4 | | if answer to above question “yes” or “potentially”, does project adopt appropriate and culturally sensitive sustainable resource management practices? | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.2 |Vulnerability to Natural Disaster |
| P.9.2.1 | | Does the project have any risks associated with natural or man-made hazards that could result from land use changes due to the project? | ☐ YES☐ NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.2.2 | | any potential risks that require emergency preparedness and response planning? | ☐ YES☐ POTENTIALLY☐ NO |
| P.9.2.2 | | if answer to above question “yes” or “potentially”, did the project developer disclose appropriate information about emergency preparedness and response to affected communities? | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.3 |Biosafety and Genetic Resources |
| P.9.3.1 | | Does the project involve the transfer, handling, and use of genetically modified organisms/living modified organisms that may result in adverse effects on biological diversity? | ☐ YES☐ NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.3.1 | | the transfer, handling and use of genetically modified organisms/living modified organisms (GMOs/LMOs) that result from modern biotechnology | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.3.1 | | If answer to above question is “yes” has a risk assessment by a competent Expert stakeholder been carried out in accordance with [Annex iii of the Cartagena protocol on biosafety to the convention on biological diversity](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A22002A0731%2801%29)? | [ ]  YES[ ]  No[ ]  NA |
| P.9.3.2 | | If answer to above question is “yes” has any risks identified in the risk assessment? | [ ]  YES[ ]  No[ ]  NA |
| P.9.3.3 | | Forestry (for example Afforestation/Reforestation) involving GMO planting?*Note - Forestry projects (for example Afforestation/ Reforestation) involving GMO planting are not eligible for Certification under Gold Standard for the Global Goals.* | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.4 |Release of pollutants |
| P.9.4.1 | | Does the project have a risk of releasing pollutants to air, water, and land in routine, non-routine, or accidental circumstances? | ☐ YES☐ NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.4.1 | | any potential risk of pollutant release that cannot be avoided? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.4.3 | | If answer to above question is “Yes” or “potentially”, has the project identified all potential pollution sources that may degrade the quality of soil, air, surface, and groundwater in the project area? | [ ]  YES[ ]  No[ ]  NA |
| P.9.4.2 | | If answer to above question is “Yes” or “potentially”, do the pollution prevention and control technologies and practices applied during the project life cycle align with national regulations or international best practices? | [ ]  YES[ ]  No[ ]  NA |
| P.9.4.3 | | If answer to above question is “Yes”, is there a monitoring plan to ensure that mitigation measures are implemented, and resources are protected? | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.5 |Hazardous and Non-hazardous Waste |
| P.9.5.1 | | Does the project involve the generation of waste materials (both hazardous and non-hazardous)? | ☐ YES☐ NO |
| P.9.5.3 | | Does the project involve risk of release of hazardous materials resulting from their production, transportation, handling, storage, or use? | ☐ YES☐ NO |
| P.9.5.5 | | Does the project involve the use of any chemicals or materials subject to international bans or phase-outs? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.5.1 | |  the generation and management of waste materials? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.5.1 | | treatment, destruction, or disposal of waste material? | [ ]  YES[ ]  No[ ]  NA |
| P.9.5.1 | | If answer to above question is “Yes”, does the project involve an environmentally friendly method that includes appropriate control of emissions and residues resulting from the handling and processing of waste material? | [ ]  YES[ ]  No[ ]  NA |
| P.9.5.3 | | risk of release of hazardous materials resulting from their production, transportation, handling, storage, or use?  | [ ]  YES[ ]  No[ ]  NA |
| P.9.5.3 | | If answer to above question is "yes”, does project has measures in place to address health risks? | [ ]  YES[ ]  No[ ]  NA |
| P.9.5.4 | | Involve manufacture, trade, and use of chemicals and hazardous materials subject to international bans or phase-outs due to their high toxicity to living organisms, environmental persistence, potential for bioaccumulation, or potential for depletion of the ozone layer | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.6 |Pesticides & Fertilisers |
| P.9.6.1 | | Does the project involve the use of chemical pesticides?  | ☐ YES☐ NO |
| P.9.6.5 | | Does the project involve purchase, store, manufacture, trade or use products that fall in Classes IA (extremely hazardous) and IB (highly hazardous) | ☐ YES☐ NO |
| P.9.6.6 | | Does the project use fertilisers, and if so, are measures being taken to minimise their use and nutrient losses to the environment? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.6.1 | |  chemical pesticides use for pest management? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.6.4 | | If answer to question above is “yes” or “potentially”, does project has documented Chemical Pesticides Policy in place? | [ ]  YES[ ]  No[ ]  NA |
| P.9.6.5 | | purchase, store, use, manufacture, or trade in Class II (moderately hazardous) pesticides? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.6.5 | | If answer to question above is “yes” or “potentially”, does project has appropriate controls on manufacture, procurement, or distribution and/or use of these chemicals? | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above questions, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.7 |Harvesting of Forests |
| P.9.7.1 | | Does the project have a risk of unsustainable forest management, including timber harvesting? | ☐ YES☐ NO |
| P.9.7.1 | | Does the project pose a risk of depleting biodiversity and ecosystem functionality in areas where improved forest management is undertaken? | ☐ YES☐ NO |
| P.9.7.1 | | Does the project risk not meeting requirements for environment-friendly, socially beneficial, and economically viable plantations using native species whenever possible? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| P.9.8 |Food Security |
| P.9.8.1 | | Does the project involve the risk of negatively influencing access to and availability of food for people affected? | ☐ YES☐ NO |
| If the answer to the question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.8.1 | | modification of the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.9 | Animal Welfare |
| P.9.9.1 | | Does the project involve any risks to animal welfare?Animal welfare shall be ensured by providing access to water and food, appropriate environment, humane treatment, and staff training. Evidence of mistreatment will be treated as an immediate non-conformity. | ☐ YES☐ NO |
| P.9.9.2 | | Does the project involve any potential risk of excessive or inadequate use of veterinary medicines? | ☐ YES☐ NO |
| P.9.9.4 | | Does the project involve the risk of administering synthetic growth promoters, including hormones? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.9.1 | | animal husbandry or harvesting of fish populations or other aquatic species?[[4]](#footnote-4) | [ ]  YES[ ]  No[ ]  NA |
| P.9.9.1 | | limiting access for animals to basic needs like drinking water, adequate food, daylight, appropriate shelter etc.? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.9.3 | | inadequate measures to isolate sick animals and control the spread of disease, especially zoonotic diseases?  | [ ]  YES[ ]  no[ ]  NA |
| P.9.9.5 | | inadequate low-stress methods, equipment, and facilities that facilitate calm animal movement. | [ ]  YES[ ]  No[ ]  NA |
| P.9.9.6 | | inadequate measures to ensure that animals are exposed to the least stress possible during transportation and slaughtering? | [ ]  YES[ ]  No[ ]  NA |
| P.9.9.7 | | inappropriate spacing per animal and stocking rates per land unit? | [ ]  YES[ ]  No[ ]  NA |
| P.9.9.8 | | inadequate measures to address the specific needs of aquatic animals? | [ ]  YES[ ]  No[ ]  NA |
| P.9.9.9 | P.9.9.10 | | primary production of living natural resources such as animal husbandry, aquaculture, and fisheries?If the answer is yes, implement industry-standard sustainable management practices in line with to one or more relevant and credible standards and utilise available technologies. | [ ]  YES[ ]  No[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.10 |High Conservation Value Areas and Critical Habitats |
| P.9.10.1 | | Does the project have the risk of negatively impacting HCV areas and/or critical habitats? | ☐ YES☐ NO |
| P.9.10.2 | | Does the project in the project area or area of downstream impacts have risks to the following: native tree patches, individual native trees, freshwater resources (including rivers, lakes, swamps, temporary water bodies, and wells), habitats of rare, threatened, and endangered species, and biodiversity-enhancing areas? | ☐ YES☐ NO |
| If the answer to any of the questions above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.10.1 | | identified habitats as HCV areas and or Critical habitats? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.10.1 | | If answer to above question is “yes”, does the project have any risks that could negatively impact the catchment, project success, and surrounding HCV and ecological assets, as well as any measurable adverse impacts on the criteria or biodiversity values for which the critical habitat was designated, and on the ecological processes supporting that biodiversity?  | [ ]  YES[ ]  NO[ ]  NA |
| P.9.10.1 | | If answer to above question is “yes”, is a robust, appropriately designed, and long-term Habitats and Biodiversity Action Plan absent which will make the project unable to achieve net gains of those biodiversity values for which the critical habitat was designated? | [ ]  YES[ ]  NO[ ]  N/A |
| P.9.10.2 | | Does the project area or area of downstream impacts have native tree patches, individual native trees, freshwater resources (including rivers, lakes, swamps, temporary water bodies, and wells), habitats of rare, threatened, and endangered species, and biodiversity-enhancing areas? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.10.2 | | If the answer to the above question is “yes”, will the project have any adverse effects on these areas? | [ ]  YES[ ]  No[ ]  NA |
| P.9.10.3 | | If the answer to above question is “yes”, does the project has opportunities to minimise unwarranted conversion or degradation of the habitat and to enhance the habitat as part of its development? | [ ]  YES[ ]  No[ ]  NA |
| P.9.10.4 | | Is the project applying Land Use & Forest Activity Requirements and managing a minimum 10% of the project area to protect or enhance the biological diversity of native ecosystems following HCV approach as per the given requirements? | [ ]  YES[ ]  No[ ]  NA |
| P.9.10.5 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA  |
| If the answer is "yes" or "potentially" to any of the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.11 |Endangered Species |
| P.9.11.1 | | Does the project lead to the reduction or negative impact on any recognised Endangered, Vulnerable or Critically Endangered species? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.11.2 |  | distortion of habitats of endangered species?  | [ ]  YES[ ]  Potentially[ ]  NA |
| P.9.11.2 | | If answer to the above question is “yes”, does the project plan to protect and enhance them? | [ ]  YES[ ]  POTENTIALLY[ ]  NO[ ]  N/A |
| P.9.11.2 | | Are opinions and recommendations of an Expert Stakeholder(s) not sought and demonstrated as being included in the project design? | [ ]  YES[ ]  NO[ ]  NA |
| If the answer is "yes" or "potentially" to any of the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |
| P.9.12 |Invasive Alien species |
| P.9.12.1 | | Does project introduce any alien species (not currently established in the country or region of the project) into new environments? | [ ]  YES[ ]  NO |
| If the answer to question above is "yes," please explain project situation and how the project will ensure compliance with applicable requirements. |
| *Please add text here….* |
| Would the project involve or lead to: |
| P.9.12.1 | | risk of introducing any alien species with a high risk of invasive behaviour regardless of whether such introductions are permitted under the existing regulatory framework? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.12.1 | | risk of potential accidental or unintended introductions including the transportation of substrates and vectors (such as soil, ballast, and plant materials) that may harbour alien species. | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| P.9.12.2 | | risk of spreading alien species into areas in which they have not already been established? | [ ]  YES[ ]  POTENTIALLY[ ]  NO |
| If the answer is "yes" or "potentially" to any of the above question, please provide a brief description of the project situation below. Also, provide justification and/or evidence as necessary to demonstrate compliance with applicable requirements. |
| *Please add text here….* |

### Appendix 2- Contact information of project developer(s)

|  |  |
| --- | --- |
| Organisation name |  |
| Registration number with relevant authority |  |
| Street/P.O. Box |  |
| Building |  |
| City |  |
| State/Region |  |
| Postcode |  |
| Country |  |
| Telephone |  |
| E-mail |  |
| Website |  |
| Contact person |  |
| Title |  |
| Salutation |  |
| Last name |  |
| Middle name |  |
| First name |  |
| Department |  |
| Mobile |  |
| Direct tel. |  |
| Personal e-mail |  |

### Appendix 3- LUF Additional Information

|  |  |
| --- | --- |
| Risk of change to the Project Area during Project Certification Period: |  |
| Risk of change to the Project activities during Project Certification Period: |  |
| Land-use history and current status of Project Area: |  |
| Socio-Economic history: |  |
| Forest management applied (past and future) |  |
| Forest characteristics (including main tree species planted) |  |
| Main social impacts (risks and benefits) |  |
| Main environmental impacts (risks and benefits) |  |
| Financial structure |  |
| Infrastructure (roads/houses etc): |  |
| Water bodies: |  |
| Sites with special significance for indigenous people and local communities ­‐ resulting from the Stakeholder Consultation: |  |
| Where indigenous people and local communities are situated: |  |
| Where indigenous people and local communities have legal rights, customary rights or sites with special cultural, ecological, economic, religious or spiritual significance: |  |

### Appendix 4 - Design Changes

Please refer to the [Design Change Requirements](https://globalgoals.goldstandard.org/111-par-design-change-requirements/) for more information on requirements and procedures governing design changes.

In the below section, the project developer shall provide the description of the changes that might impact the different aspects.

**A4.1. Details of proposed or actual design change***>> Provide the summary of the proposed Design Change*

##### A4.2. Describe the Impacts of Design Change on the following

1. ***Additionality***

*>>*

1. ***Applicability of methodology and other methodological regulatory documents with which the project activity has been certified***

*>>*

1. ***Compliance with the monitoring plan of the applied methodology***

*>>*

1. ***Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the registered monitoring plan***

*>>*

1. ***Scale of the project activity***

*>>*

1. ***Stakeholder consultation***

*>>*

1. ***Sustainable development criteria***

*>>*

1. ***Safeguarding assessment***

*>>*

1. ***Compliance with applicable legislation***

***>>***

1. ***Transparent summary of all approved changes in Project Area, Eligible Area and accompanying changes in ex-ante emissions removals.***

*>>*

LUF projects are required to provide a transparent summary of all approved changes in Project Area, Eligible Area and accompanying changes in ex-ante emissions removals.  The table below should be used.

|  |  |  |  |
| --- | --- | --- | --- |
| DATE OF APPROVED DESIGN CHANGE (MM/DD/YYYY) | PROJECT AREA (HA) | ELIGIBLE AREA (HA) | EX-ANTE ESTIMATE (TCO2E) |
| INCREASE OR DECREASE? | VALUE (HA) | INCREASE OR DECREASE? | VALUE (HA) | INCREASE OR DECREASE? | PERCENTAGE (%) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

DOCUMENT History

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Remarks** |
| 1.5.AWD | 05 April 2024 | Pre-filled PDD for project applying AWD methodology and based on the PDD template version 1.5 |
| 1.5 | 29 June 2023 | Editorial changes to match V2.1 of the Safeguarding Principles Requirements |
| 1.4 | 21 June 2023 | Editorial changes to match V2.0 of the Safeguarding Principles Requirements |
| 1.3 | 14 April 2023 | Integrated the design change memo as annex of the document.Editorial changes |
| 1.2 | 14 October 2020 | Hyperlinked section summary to enable quick access to key sectionsImproved clarity on Key Project InformationInclusion criteria table addedGender sensitive requirements added Prior consideration (1 yr rule) and Ongoing Financial Need addedSafeguard Principles Assessment as annex and a new section to include applicable safeguards for clarityImproved Clarity on SDG contribution/SDG Impact term used throughoutClarity on Stakeholder Consultation information requiredProvision of an [accompanying Guide](https://globalgoals.goldstandard.org/standards/TGuide-PreReview_V1.2-Project-Design-Document.pdf) to help the user understand detailed rules and requirements |
| 1.1 | 24 August 2017 | Updated to include section A.8 on ‘gender sensitive’ requirements |
| 1.0 | 10 July 2017 | Initial adoption |

1. Please refer to Appendix 3 for detailed information on LUF projects [↑](#footnote-ref-1)
2. [Methane Emission Reduction by adjusted Water management practice in rice cultivation – Gold Standard for the Global Goals](https://globalgoals.goldstandard.org/437-luf-agr-methane-emission-reduction-awm-practice-in-rice/)  [↑](#footnote-ref-2)
3. Basic services requirements refer to minimum space, supply of water, adequate sewage and garbage disposal system, appropriate protection against heat, cold, damp, noise, fire, and disease-carrying animals, adequate sanitary and washing facilities, ventilation, cooking and storage facilities and natural and artificial lighting, and in some cases basic medical services. [↑](#footnote-ref-3)
4. 'Involve' means if the project mechanism and/or impact(s) are achieved via changing animal husbandry practices in some way. [↑](#footnote-ref-4)