



A6.4 ENVIRONMENTAL AND SOCIAL SAFEGUARDS RISK ASSESSMENT FORM (Version 01.1)

Instructions

This form contains the **element level question (ELQ)** and **additional guiding question (AGQ)** in accordance with the elements and criteria defined in sections 6.3 and 6.4: Environmental and social safeguards of the Article 6.4 sustainable development tool (A6.4 SD Tool).

This form shall be completed by the activity participant of the A6.4 activity as part of the risk assessment to identify, evaluate, avoid, minimize, and mitigate potential risks associated with proposed A6.4 activities.

Activity participants shall conduct a risk assessment by completing this form to identify potential negative environmental and social impacts arising from the implementation, operation and, if applicable, dismantling of the

Outcome

This section provides information related to the A6.4 activity and an overview of the outcomes of the risk assessment for each of the eleven environmental and social safeguards.

Risk assessment - Eleven environmental and social safeguards elements

This form contains the **element level question (ELQ)** and **additional guiding question (AGQ)** in accordance with the elements and criteria defined in sections 6.3 and 6.4: Environmental and social safeguards of the Article 6.4 sustainable development tool (A6.4 SD Tool).

This form shall be completed by the activity participant of the A6.4 activity as part of the risk assessment to identify, evaluate, avoid, minimize, and mitigate potential risks associated with proposed A6.4 activities.

Activity participants shall conduct a risk assessment by completing this form to identify potential negative environmental and social impacts arising from the implementation, operation and, if applicable, dismantling of the A6.4 activity.

The assessment shall be conducted against **11 elements and criteria as defined in section 6 of A6.4 SD Tool, including those relevant to the eleventh preambular paragraph of the Paris Agreement, as well as relevant and applicable national and international instruments to which the host Party is bound and applicable legislation in the host Party.**

Activity participants shall answer ELQ for each of the 11 elements;

a): If activity participants identify that their A6.4 activity impacts the environmental and social safeguards elements by indicating "Yes" or "Potentially" for ELQ for Elements 1-9 and Element 11 by providing the assessment in the column of Risk assessment of each table, they shall respond the respective AGQ under the ELQ (For Element 10 which only contains ELQ with a possible response of "Yes" or "No", if the outcome of ELQ is "Yes", activity participants do not need to identify mitigation measures in A6.4-FORM-AC-016). If the outcome of ELQ is either "No" or "NA", the activity participants provide justification supporting this conclusion or justify the exclusion of any elements in the column of Risk assessment .

b): If the outcome of AGQ is:

i) "Yes", the activity participant shall identify all factors contributing to potential negative impacts in A6.4-FORM-AC-015. The activity participants is required to mitigate and monitor these factors through measures described in A6.4-FORM-AC-16.

ii) If the outcome of AGQ is "Potentially", the activity participants shall justify why the element/criterion is currently satisfied and does not require remedial measures and shall update

Document information

Version	Date	Description
02.0	10 November 2025	Final version of the Safeguards Risk Assessment for submission with the A6.4 activity report.
01.1	08 August 2025	Minor editorial improvements for useability.
01.0	11 February 2025	Initial publication of form template.

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Environmental and social safeguards elements		
Environmental	Element 1	Energy
	Element 2	Air, land and water
	Element 3	Ecology and natural resources
Social	Element 4	Human rights
	Element 5	Labour
	Element 6	Health and safety
	Element 7	Gender equality
	Element 8	Land acquisition and involuntary resettlement
	Element 9	Indigenous People
	Element 10	Corruption
	Element 11	Cultural heritage

Possible responses in the risk assessment for element-level questions and additional guiding questions.
(please refer to table 1 of the A6.4 SD tool)

Response	Description	Action required by activity participants
Yes	Factors contributing to potential negative impacts are present for certain elements/criteria, or the activity fails to meet environmental and social safeguarding elements and criteria as defined in section 6 of this tool, including those relevant to the eleventh preambular paragraph of the Paris Agreement, and relevant and applicable national and international instruments to which the host Party is bound during its implementation, operation and, if applicable, dismantling.	Identify all factors contributing to potential negative impacts in A6.4-FORM-AC-015. Mitigate and monitor these factors through measures described by the activity participant in A6.4-FORM-AC-016.
Potentially	The risk or expected impact may be relevant during the A6.4 activity implementation, operation and, if applicable, decommissioning or dismantling, but is not currently relevant or may never arise.	Justify why the element/criterion is currently satisfied and does not require remedial measures. Update information on any potential identified risks in each monitoring report.
No	The risk or expected issue is not relevant to the A6.4 activity.	Provide justification supporting this conclusion. (As necessary, conduct an assessment of any identified risks and submit an updated A6.4-FORM-AC-015 with a request for approval of post-registration change).
NA	The question is not relevant to the A6.4 activity.	Justify the exclusion of any elements or criteria.

Summary of the outcome of the A6.4 Environmental and social safeguards risk assessment

A6.4 activity information	
Title of A6.4 activity or Title of CDM project (transition to A6.4 activity)	Buriram Rubber Plantation Carbon Sequestration & GHG Emission Reduction Project: A Cryptocurrency, Blockchain, and Satellite Technology Initiative.
A6.4 activity number or CDM project number (transition to A6.4 activity)	01BR1S1 (Internal Project ID)
A6.4 activity registration date dd/mm/yy:	Pending Registration

Overview of the outcomes of the environmental and social safeguards elements risk assessment			
Environmental	Element 1	Energy	No
	Element 2	Air, land and water	Potentially
	Element 3	Ecology and natural resources	No
Social	Element 4	Human rights	No
	Element 5	Labour	No
	Element 6	Health and safety	Potentially
	Element 7	Gender equality	No
	Element 8	Land acquisition and involuntary resettlement	No
	Element 9	Indigenous People	N/A
	Element 10	Corruption	Yes
	Element 11	Cultural heritage	No

Indicate outcome
Yes
Potentially
No
N/A

Element 1: Energy

This element and its criteria are described in subsection 6.3.1 of Section 6: Environmental and social safeguards of the A6.4 SD Tool.

Table 1. Guiding questions for the risk assessment on energy

Element 1 Energy		Evaluation	Risk assessment
E1: The A 6.4 activity ensures sustainable use of energy.	ELQ 1	Does the A6.4 activity pose a risk to the availability and reliability of the energy supply to other users? If yes or potentially, please respond to the guiding questions. ☐ Yes ☐ Potentially ☒ No ☐ N/A	The A6.4 activity involves Agri-silviculture and improved land management practices in rubber plantations, primarily resulting in carbon sequestration. The project's energy consumption (for machinery, transportation, and office operations, as detailed in the CFO report) is marginal and does not consume significant energy resources that would affect the availability or reliability of energy supply to local communities or the national grid. The project actively reduces fossil fuel consumption compared to the BAU scenario through optimized logistics.
Additional guiding questions:			
E1.1: The A6.4 activity does not negatively affect the availability or reliability of the energy supply for other users	AGQ 1.1	Would the A6.4 activity negatively impact the availability and reliability of the energy supply to others? ☐ Yes ☐ Potentially ☐ No ☒ N/A	The initial element-level question (ELQ1) was answered 'No', indicating no risk. Therefore, no further guiding questions need assessment.
Conclusion of the risk assessment on Element 1 (Energy): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in A6.4-FORM-AC-016.			☐ Yes ☐ Potentially ☐ No ☐ N/A

Not Impacted

Element 2: Air, land and water

This element and its criteria are described in subsection 6.3.2 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 2. Guiding questions for the risk assessment on air

E2.1 Air		Evaluation	Risk assessment
E2.1: The A6.4 activity avoids releasing pollutants into the air, land, or water, including hazardous and/or non-hazardous pollutants in solid, liquid, or gaseous phases.	ELQ 2.1.a	Does the A6.4 activity involve a risk of releasing air pollutants due to routine and non-routine activities, with the potential for local and regional impacts? If yes or potentially, please respond to guiding questions AGQ2.1.1-1 and AGQ2.1.1-2.	☐ Yes ☒ Potentially ☐ No ☐ N/A Routine use of machinery (vehicles, pumps) and agricultural inputs (e.g., nitrogen fertilizers) results in non-CO2 emissions (N2O, Nox) and air particulates. Although the project aims to reduce N2O emissions through optimized use, the risk of air pollution remains potentially relevant, requiring continuous monitoring.
Additional guiding questions:			
E2.1.1: The A6.4 activity is to avoid the release of pollutants into the air. When complete avoidance is not technically and financially feasible, activity participants of the A6.4 activity are to minimize and/or control the intensity and mass flow resulting from the A6.4 activity. This provision applies to releases of pollutants due to routine, non-routine, and accidental circumstances, with potential for local regional and transboundary impacts.	AGQ2.1.1-1	Would the A6.4 activity involve the release of air pollutants that cannot be minimized and/or controlled in terms of intensity and mass flow?	☒ Yes ☐ Potentially ☐ No ☐ N/A The project implements Best Management Practices (BMPs) for optimized fertilizer use (N-fertilizer optimization via dMRV data) to minimize N2O emissions, which is a core component of the project's GHG reduction claim.
	AGQ2.1.1-2	Would the A6.4 activity involve the release of pollutants into the air under routine, non-routine, or accidental circumstances with the potential for local and regional impacts and transboundary impacts?	☐ Yes ☐ Potentially ☐ No ☐ N/A (Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.1.2: Where existing level of pollution exceeds what is legally permitted in respect of the site where the proposed activity will take place and the host country identified activity participants as responsible for mitigation or remediation measures, activity participants are expected to respond accordingly.	AGQ2.1.2	Would the A6.4 activity take place at a site where existing level of pollution exceeds what is legally permitted, and where activity participants need to respond to those levels of pollution that exceed legal limits, with the host country identifying activity participants as responsible for mitigation or remediation measures?	☐ Yes ☐ Potentially ☐ No ☐ N/A (Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 2 (Air, land and water) – Air: If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.			☐ Yes ☐ Potentially ☐ No ☐ N/A

Table 3.Guiding questions for the risk assessment on land

Element 2.2 Land			Evaluation	Risk assessment
E2.2: The A6.4 activity avoids releasing pollutants into the air, land, or water, including hazardous and/or non-hazardous pollutants in solid, liquid, or gaseous phases.	ELQ 2.2.a	Does the A6.4 activity have any risk of releasing land pollutants due to routine and non-routine activities, with the potential for local and regional impacts? If yes or potentially, please respond to guiding questions: AGQ2.2.1-1, AGQ2.2.1-2, AGQ2.2.3, AGQ2.2.4 and AGQ2.2.5.	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Additional guiding questions:				
E2.2.1: The A6.4 activity is to avoid the release of pollutants to land. When complete avoidance is not technically and financially feasible, activity participants of the A6.4 activity are to minimize and/or control the intensity and mass flow of releases resulting from the A6.4 activity. This provision applies to releases of pollutants due to routine, non-routine and accidental circumstances with the potential for local, regional, and transboundary impacts.	AGQ2.2.1-1	Would the A6.4 activity lead to the release of land pollutants that cannot be minimized and/or controlled in terms of the intensity and mass flow of their release?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ2.2.1-2	Would the A6.4 activity lead to the release of pollutants to land under routine, non-routine, or accidental circumstances, with the potential for local and regional impacts and transboundary impacts?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.2.2: Where existing level of pollution exceeds what is legally permitted in respect of the site where the proposed activity will take place and the host country identified activity participants as responsible for mitigation or remediation measures, activity participants are expected to respond accordingly.	AGQ2.2.2	Would the A6.4 activity take place at a site where existing level of pollution exceeds what is legally permitted, and where activity participants need to respond to those levels of pollution that exceed legal limits, with the host country identifying activity participants as responsible for mitigation or remediation measures?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.2.3: Activity participants of the A6.4 activity are to demonstrate that measures will be undertaken to ensure the protection of soil, land use, surface and groundwater from erosion, and that these measures are in place prior to the commencement of the activity.	AGQ2.2.3	Would the A6.4 activity pose any risk to soil and land use, as well as surface and groundwater, due to land erosion?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.2.4: Activity participants of the A6.4 activity are to identify the functions and services provided by the landscape and demonstrate that no degradation of soil resources or loss of ecosystem services provided by soils as a result of the activity.	AGQ2.2.4	Would the A6.4 activity pose any risk to the functions and services provided by the landscape through the degradation of soil resources and the loss of ecosystem services provided by soils?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.2.5: For A6.4 activities involving the production, harvesting and/or management of living natural resources by local communities, appropriate and culturally sensitive sustainable resource management practices are to	AGQ2.2.5	If the A6.4 activity involves the production, harvesting, and/or management of living natural resources by small-scale landholders and/or local communities, would activity pose any risk related to appropriate and	☐ Yes ☐ Potentially ☐ No	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)

be adopted by activity participants of the A6.4 activity	culturally sensitive sustainable resource management practices?	☐ N/A
Conclusion of the risk assessment on Element 2 (Air, land and water) – Land: If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in A6.4-FORM-AC-016.		☐ Yes ☐ Potentially ☐ No ☐ N/A

Table 4. Guiding questions for the risk assessment on water

Element 2.3 Water			Evaluation	Risk assessment
E2.3: The A6.4 activity avoids releasing pollutants into the air, land, or water, including hazardous and/or non-hazardous pollutants in solid, liquid, or gaseous phases.	ELQ2.3	Does the A6.4 activity pose any risk that could compromise the promotion of sustainable and efficient use of water resources, potentially leading to negative impacts on water resources and water-related ecosystems, including mountains, coasts, oceans, forests, wetlands, rivers, aquifers and lakes? If yes or potentially, please respond to the guiding questions.	☐ Yes ☒ Potentially ☐ No ☐ N/A	The project activity involves the use of fertilizers and potential minimal use of herbicides in agricultural setting (rubber plantation). There is an inherent, though minimal, risk of non-point source pollution (run-off of nutrients/chemicals) affecting local surface or groundwater quality, especially during heavy rainfall.
Additional guiding questions:				
E2.3.1: Activity participants of the A6.4 activity are to avoid negative impacts on water resources and water-related ecosystems, including mountains, coasts, oceans, forests, wetlands, rivers, aquifers and lakes.	AGQ2.3.1	Would the A6.4 activity involve water usage that could result in negative impacts on water resources and water-related ecosystems, including mountains, coasts, oceans, forests, wetlands, rivers, aquifers, and lakes?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.3.2: The A6.4 activity is to avoid the release of pollutants to water. When complete avoidance is not technically and financially feasible, activity participants of the A6.4 activity are to minimize and/or control the intensity and mass flow of its releases. This provision applies to the release of pollutants due to routine, non-routine and accidental circumstances with the potential for local, regional and transboundary impacts.	AGQ2.3.2-1	Would the A6.4 activity lead to the release of pollutants into water under routine, non-routine, or accidental circumstances?	☒ Yes ☐ Potentially ☐ No ☐ N/A	Would the A6.4 activity and its activity participants adopt measures to avoid or minimize the release of pollutants into water bodies (including surface water, groundwater, and coastal waters).
	AGQ2.3.2-2	Would the A6.4 activity involve or lead to the release of pollutants that cannot be avoided?	☒ Yes ☐ Potentially ☐ No ☐ N/A	The project mandates the use of Integrated Pest Management (IPM) and Best Management Practices (BMPs) for fertilizer application, minimizing chemical runoff and nutrient leaching into local waterways. Th project prohibits the use of internationally banned chemicals.
E2.3.3: Where existing level of pollution exceeds what is legally permitted in respect of the site where the proposed activity will take place and the host country identified activity participants as responsible for mitigation or remediation measures, activity participants are expected to respond accordingly.	AGQ2.3.3	Would the A6.4 activity take place at a site where existing level of pollution exceeds what is legally permitted, and where activity participants need to respond to those levels of pollution that exceed legal limits, with the host country identifying activity participants as responsible for mitigation or remediation measures?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E2.3.4: When the A6.4 activity is a potentially significant consumer of water, activity participants of the A6.4 activity are to adopt measures to improve water consumption efficiency. These measures should aim to avoid or reduce water consumption so that the activity's water consumption does not have negative	AGQ2.3.4	Would the activity participants adopt measures to avoid or reduce water usage so that the activity's water consumption does not have negative impacts on people and biodiversity in terms of availability, accessibility,	☐ Yes ☐ Potentially ☐ No	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)

impacts on people and biodiversity in terms of availability, accessibility, reliability, and quality compared to environmental and social conditions in the absence of the activity.		reliability, and quality, compared to the environmental and social baseline?	☐ N/A	
Conclusion of the risk assessment on Element 2 (Air, land and water) – Water: If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 3: Ecology and natural resources

This element and its criteria are described in subsection 6.3.3 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 5. Guiding questions for the risk assessment on ecology and natural resources

Element 3 Ecology and natural resources			Evaluation	Risk assessment
E3: The A6.4 activity avoids adverse direct, indirect and cumulative impacts on habitats and the biodiversity they support.	ELQ3	Does the A6.4 activity pose a risk of direct, indirect, and cumulative activity-related impacts on habitats and the biodiversity they support, including threats such as habitat loss, degradation and fragmentation, invasive alien species, overexploitation, hydrological changes, nutrient-loading, pollution, ... If yes or potentially, please respond to the additional guiding questions.	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project is located exclusively on existing agricultural land (rubber plantations) in Buriram Province. The project does not involve deforestation, conversion of natural habitat, or clearing of primary/secondary forests. The activity is designed to enhance ecological health and soil quality through sustainable practices (Rubber Agri-silviculture).
Additional guiding question:				
E3.1.1: Activity participants of the A6.4 activity are to adopt a precautionary approach to natural resource conservation, including soil, minerals, and other depletable natural resources, and avoid negative environmental impacts throughout the activity implementation, operation, and, if applicable, dismantling.	AGQ3.1.1	Would the A6.4 activity adopt the precautionary approach to natural resource conservation, including soil, minerals, and other depletable natural resources, to prevent irreversible negative environmental impacts by the proposed activity?	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project's improved management practices (reduced chemical use, better soil health) are expected to have a net positive impact on the non-natural habitat (rubber plantation ecosystem) and the local biodiversity it supports.
E3.2.1: Activity participants of the A6.4 activity are to ensure that ecosystem functions are maintained to secure the benefits of ecosystem services.	AGQ3.2.1	Would the A6.4 activity introduce any risk of loss of ecosystem services?	☐ Yes ☐ Potentially ☒ No ☐ N/A	A screening assessment determined that the project activity plots are entirely within managed agricultural land and are not classified as or directly adjacent to Critical Habitats or High Conservation Value (HCV) areas.
E3.2.2: Activity participants of the A6.4 activity are to protect and conserve terrestrial, freshwater, coastal and marine biodiversity	AGQ3.2.2-1	Would the A6.4 activity lead to unsustainable forest management, including timber harvesting?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ3.2.2-2	Would the A6.4 activity lead to the depletion of biodiversity and ecosystem functionality in areas where improved forest management is undertaken?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.2.3: The A6.4 activities maintains or enhances biodiversity and ecosystem functionality within the activity boundary.	AGQ3.2.3	Would the A6.4 activity increase the risk of not maintaining or enhancing biodiversity and ecosystem functionality within the activity boundary?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.2.4: The A6.4 activities do not lead to the reduction of, or negative impact on, any population of recognized endangered, vulnerable, or critically endangered species, protected areas and sites.	AGQ3.2.4	Would the A6.4 activity impose any risk to any recognized endangered, vulnerable, or critically endangered species, protected areas and sites?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.2.5: Activity participants of the A6.4 activity are to identify and manage the habitats of endangered species to protect or enhance them.	AGQ3.2.5	Would the A6.4 activity impose any risk to the identified habitats of endangered species or enhance them ?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.2.6: The A6.4 activities do not introduce any alien species into new environments. Activity participants of the A6.4 activity are to implement measures to avoid the potential for accidental or unintended introductions of alien species, including the transportation of substrates and vectors (such as soil, ballast, and plant materials) that may harbour alien species.	AGQ3.2.6	Would the A6.4 activity impose any risk of introducing alien species into new environments?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.2.7: Where alien species are already established in the country or region of the A6.4 activity, activity participants of		Would the A6.4 activity	☐ Yes ☐ Potentially ☐ No	

<i>activity, activity participants or the A6.4 activity are to exercise diligence and take preventive steps to ensure they do not spread into areas where they have not already been established.</i>	AGQ3.2.7	Increase the risk of spreading alien species within the country or region of the proposed activity?	☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E3.3.1: Activity participants of the A6.4 activity are to ensure that the A6.4 activity that potentially impacts habitats identified as critical habitats is implemented only when it meets the following three prerequisites:	AGQ3.3.1	Would the A.6.4 activity impose a risk of negatively impacting critical habitats? If your answer is either yes or potentially, the activity participants of the A6.4 activity are to demonstrate how the activity meets the three prerequisite/es described below in the Risk assessment section: (a)The risk of the activity negatively impacting the catchment in the project area and the risks impacting activity success should be assessed and addressed to ensure its ongoing, long-term viability and impact on surrounding High Conservation Value and ecological assets; (b)There are no measurable negative impacts on the criteria or biodiversity values for which the critical habitat was designated, nor on the ecological processes supporting those biodiversity values; (c)A robust, appropriately designed, and long-term habitats and biodiversity action plan is in place to achieve net gains in those biodiversity values for which the critical habitat was designated.	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 3 (Ecology and natural resources): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 4: Human rights

This element and its criteria are described in subsection 6.4.1 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 6.Guiding questions for the risk assessment on human rights

Element 4 Human rights		Evaluation		Risk assessment
E4: Human rights constitute an overarching, legally binding framework that informs and guides the A6.4 activity's implementation and consistency with all environmental and social safeguards. These rights, enshrined in national laws and international instruments, such as the Universal Declaration of Human Rights, establish fundamental standards to ensure dignity, equality and justice for all. Consequently, Article 6.4 supports the implementation of environmental and social safeguards in order to ensure that all activities are compliant with these human rights obligations. Additionally, Article 6.4 recognizes that human rights are central to SD, poverty alleviation, and ensuring fair distribution of development opportunities and benefits. Activity participants may not engage in any form of direct or indirect, formal or informal pressure or retaliation against individuals or groups who are exercising their rights in relation to an	ELQ 4a	Does the A6.4 activity pose any risk that, during its implementation and operation, it could undermine national laws and/or international instruments for the realization of human rights, including rights related to sustainable development, poverty alleviation, and the fair distribution of development opportunities and benefits? If yes or potentially, please respond to the guiding questions.	☐ Yes ☐ Potentially ☒ No ☐ N/A	<i>The project's governance framework (ECT Standard) is based on the principle of Free, Prior, and Informed Consent (FPIC) and transparent benefit sharing (Blockchain Smart Contracts). The activity directly supports human rights, particularly the right to an adequate standard of living (SDG1) and access to information (Blockchain transparency), and adheres to all relevant national laws.</i>
Additional guiding questions:				
E4.1: The A6.4 activities are to be implemented with respect for participation and inclusion and do not undermine the host Party's national measures for the realization of human rights, including those related to SD.	AGQ4.1	Would the A6.4 activity lead to any adverse impact that undermines national measures for the realization of human rights including those related to SD?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E4.2: Activity participants of the A6.4 activity are to carry out human rights due diligence to identify, evaluate, prevent, and mitigate actual or potential adverse human rights impacts caused by the A6.4 activity. They are to ensure that the A6.4 activity contributes positively to the well-being and dignity of all stakeholders, right-holders, and groups, especially those in vulnerable situations and marginalized, including Indigenous Peoples, in line with, among others, the UN Guiding Principles on Business and Human Rights, the United Nations Global Compact, and the SDGs.	AGQ4.2	Does the A6.4 activity pose any actual or potential adverse human rights risk in the human rights due diligence process?	☐ Yes ☐ Potentially ☒ No ☐ N/A	<i>The human rights due diligence confirms the risk of adverse impacts is low. The project's structure (aggregated smallholders) and transparent benefit-sharing model mitigate risks of exploitation or undue influence.</i>
Conclusion of the risk assessment on Element 4 (Human rights): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 5: Labour

This element and its criteria are described in subsection 6.4.2 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 7. Guiding questions for the risk assessment on labour

Element 5 Labour		Evaluation	Risk assessment
E5: The A6.4 activity supports employment creation and income generation in the pursuit of poverty reduction and inclusive economic growth, while activity participants of the A6.4 activity are to ensure safe and healthy	ELQ5	Do the A6.4 activity and the activity participants pose a risk to promoting safe and healthy working conditions? If yes or potentially, please respond to the additional guiding questions.	☐ Yes ☐ Potentially ☒ No ☐ N/A <i>The project activities primarily involve smallholder farmers working on their own land. No large-scale construction or influx of external labor is involved. The project's labor force (131 farmers/family members) is domestic and self-employed significantly lowering risk of issues such as forced labor or illegal employment.</i>
Additional guiding question:			
E5.1: Activity participants of the A6.4 activity are to ensure education programmes for local communities to access labour opportunities created by the A6.4 activity.	AGQ 5.1	Would the A6.4 activity compromise to access labor opportunities for local communities ? ☐ Yes ☐ Potentially ☐ No ☒ N/A	<i>The initial element-level question (ELQ 5) was answered 'No', indicating no major risk. Furthermore, the project enhances digital literacy and sustainable agriculture skills (SDG 8). Increasing labor opportunities.</i>
E5.2: Activity participants of the A6.4 activity are to ensure the fair treatment, non-discrimination, and equal opportunity of activity workers.	AGQ 5.2	Would the A6.4 activity compromise the promotion of fair treatment, non-discrimination, and equal opportunity of activity workers? ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E5.3: Activity participants of the A6.4 activity are to protect A6.4 activity workers, including vulnerable workers such as women, persons with disabilities, migrant workers, contracted workers, community workers, and primary supply workers.	AGQ 5.3	Would the A6.4 activity impose any risk to the protection of activity workers, including vulnerable workers such as women, persons with disabilities, migrant workers, contracted workers, community workers, and ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E5.4: Activity participants of the A6.4 activity are to ensure that A6.4 activity workers are not subjected to any form of forced labour or the worst forms of child labour.	AGQ 5.4	Would the A6.4 activity lead to the use of forced labour or child labour? ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E5.5: Activity participants of the A6.4 activity are to respect the freedom of association of the A6.4 activity workers and their rights to collective	AGQ 5.5	Would the A6.4 activity impose any risk of failing to respect the rights of freedom of association and collective bargaining for activity workers? ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E5.6: Activity participants of the A6.4 activity are to provide activity workers with accessible means to raise workplace concerns.	AGQ 5.6	Would the A6.4 activity impose any risk of not providing activity workers with accessible means to raise workplace concerns? ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E5.7: Activity participants of the A6.4 activity are to put measures in place to protect workers from inherent risks associated with their work or sector, including but not limited to physical, chemical, biological, and radiological hazards, as well as specific threats to women.	AGQ 5.7	Would the A6.4 activity impose risks inherent to the nature of the work or sector, including, but not limited to, physical, chemical, biological, and radiological hazards, as well as specific threats to women? ☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
Conclusion of the risk assessment on Element 5 (Labour): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.			☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 6: Health and safety

This element and its criteria are described in subsection 6.4.3 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 8. Guiding questions for the risk assessment on health and safety

Element 6 Health and safety			Evaluation	Risk assessment
E6: The A6.4 activity avoids adverse impacts on the health and safety of the community during its implementation, including those who, because of their circumstances, may be vulnerable.	ELQ6	Does the A6.4 activity pose any risks to or impacts on the health and safety of affected communities, including those who may be vulnerable due to their circumstances? If yes or potentially, please respond to the additional guiding questions.	☐ Yes ☒ Potentially ☐ No ☐ N/A	<i>The project activity involves the use of agricultural chemicals (fertilizers, minimal herbicides/pesticides) and operating machinery in the rural environment. There is a potential risk of exposure to chemicals or workplace accidents in the plantation, which requires defined health and safety protocols for the participating farmers.</i>
Additional guiding question:				
E6.1: The A6.4 activity is to avoid exposing communities to increased health risks (e.g., pollution, contaminated areas/resources) and diseases, and do not adversely affect the health of the community.	AGQ 6.1-1	Would the A6.4 activity and its activity participants increase the risks and impacts on the health and safety of affected communities during the activity's crediting period, including those who may be vulnerable due to their circumstances?	☒ Yes ☐ Potentially ☐ No ☐ N/A	<i>The risk is primarily from the handling of conventional farm inputs (fertilizer/pesticide). The project mandates safety training, use of PPE, and adherence to Integrated Pest Management (IPM) to minimize chemical exposure and related health risks, thus mitigating the risk of increase.</i>
	AGQ 6.1-2	Would the A6.4 activity and its activity participants impose any health and/or safety risks related to the implementation and/or infrastructure development (e.g., roads, buildings, dams) of the proposed activity?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
	AGQ 6.1-3	Would the A6.4 activity impose any risk related to air pollution, noise, vibration, traffic, injuries, physical hazards, or poor surface water quality due to runoff, erosion, or sedimentation?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
	AGQ 6.1-4	Would the A6.4 activity involve any risk of harm or losses due to the failure of structural elements (e.g., collapse of buildings or infrastructure)?	☐ Yes ☐ Potentially ☐ No ☒ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
	AGQ 6.1-5	Would the A6.4 activity involve risks related to water-borne or other vector-borne diseases (e.g., temporary breeding habitats), communicable and noncommunicable diseases, nutritional disorders, mental health?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
	AGQ 6.1-6	Would the A6.4 activity pose any risk related to transport, storage, use, and/or disposal of hazardous or dangerous materials (e.g., explosives, fuel, and other chemicals) during implementation and operation?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
	AGQ 6.1-7	Would the A6.4 activity involve adverse impacts on ecosystems and ecosystem services relevant to community health (e.g., food, surface water purification, natural buffers from flooding)?	☐ Yes ☐ Potentially ☐ No ☐ N/A	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>
E6.2: Activity participants of the A6.4 activity are to undertake appropriate assessments of the activity's risks and potential negative impacts on health and safety, including considering safety risks to communities. They are to adopt appropriate avoidance, minimization, and mitigation measures, favouring the prevention or	AGQ 6.2	Would the A6.4 activity involve health and/or safety risks to communities that could result in accidents or incidents requiring mitigation measures,	☐ Yes ☐ Potentially	<i>(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)</i>

avoidance of risks and impacts over their minimization and reduction. Additionally, they are to ensure that accidents or incidents associated with the A6.4 activity are appropriately recorded, reported and addressed, and		including emergency preparedness and response plans?	☐ No ☐ N/A	
E6.3: The health and safety measures should take into account differences in risk exposure and adopt a gender-sensitive approach, as well as consider marginalized and disadvantaged groups, including children, older persons, persons with disabilities, minorities, and Indigenous Peoples.	AGQ 6.3	Would the A6.4 activity involve any health and/or safety risk exposure to women and men, as well as marginalized and disadvantaged groups, including children, older persons, persons with disabilities, minorities, and Indigenous Peoples?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 6 (Health and safety): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 7: Gender equality

This element and its criteria are described in subsection 6.4.4 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 9. Guiding questions for the risk assessment on gender equality

Element 7 Gender equality			Evaluation	Risk assessment
E7: The A6.4 activity avoids potential gender-based risks and impacts by implementing effective measures to prevent, eliminate or mitigate such risks and impacts, thereby eliminating the possibility of reinforcing pre-existing inequalities and/or creating new ones.	ELQ7	Does the A6.4 activity have potential gender-based risks and impacts that could reinforce pre-existing inequalities and/or create new ones? If yes or potentially, please respond to the additional guiding questions.	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project ensures equal access to carbon revenue benefits (Tokenization) and training for both male and female landowners/participants. The Benefit Sharing Agreement (BSA) explicitly addresses equitable distribution, preventing the reinforcement of gender inequalities in accessing economic benefits.
Additional guiding question :				
E7.1: Activity participants of the A6.4 activity are to avoid reinforcing gender-based discrimination and do not lead to or contribute to adverse impacts on gender equality and/or the situation of women and girls in all their diversity.	AGQ 7.1-1	Would the A6.4 activity lead to any adverse impacts on gender equality and/or the situation of women and girls?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E7.2: Activity participants of the A6.4 activity are to apply the principles of non-discrimination, equal treatment, and equal pay for equal work.	AGQ 7.1-2	Would the A6.4 activity exacerbate the risks of gender-based violence (e.g., 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 ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 7.2-1	Would the A6.4 activity impose a risk to the principles of non-discrimination, equal treatment, and equal pay for equal work? (This includes, for example, equal payment for women and men for work related to the implementation of the activity; fair conditions for women and men to participate in the implementation of the activity, considering pregnancy/maternity/paternity leave/marital status; and ensuring that the community (both women and men) is informed about the implementation of the activity in an accessible manner to ensure full engagement, including access to leadership positions).	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 7.2-2	Would the A6.4 activity pose any risk of preventing men and women from having equal opportunities to participate in identified tasks and activities, whether through paid work, volunteer work, or community contributions?	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project's technology (Blockchain distribution) ensures that revenue reaches the registered participant regardless of gender, promoting financial inclusion for women who often own or co-manage the land.
	AGQ 7.2-3	Would the A6.4 activity limit the participation of women or men in the workplace based on pregnancy, maternity/paternity leave, or marital status?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 7.2-4	Would the A6.4 activity perpetuate discrimination against persons based on gender, particularly in terms	☐ Yes ☐ Potentially	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)

		of participation in the design and implementation of the activity or access to opportunities and benefits?	☐ No ☐ N/A	they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 7.2-5	Would the A6.4 activity limit women's ability to use, develop, and protect natural resources, considering the different roles and positions of women and men in accessing environmental goods and services? (For example, activities that could lead to the degradation or depletion of natural resources in communities that depend on these resources for their livelihoods and well-being).	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 7 (Gender equality): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 8: Land acquisition and involuntary resettlement

This element and its criteria are described in subsection 6.4.5 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 10. Guiding questions for the risk assessment on land acquisition and involuntary resettlement

Element 8 Land acquisition and involuntary resettlement		Evaluation		Risk assessment
E8: The Article 6.4 activity avoids involuntary resettlement. The A6.4 activity supports the avoidance of activity-related land acquisition and restrictions on land use that lead to adverse impacts on communities and persons, including physical displacement (relocation, loss of residential land or loss of shelter) and economic displacement (loss of land, assets, or access to assets, leading to loss of income sources or other means of livelihood). Where involuntary resettlement is unavoidable, it is to be minimized, and appropriate measures to mitigate adverse impacts on displaced persons (and on host communities receiving displaced persons) are to be	ELQ8	Does the A6.4 activity involve or support involuntary land acquisition or restrictions on land use that may cause physical displacement, economic displacement, or both? If yes or potentially, please respond the additional guiding questions.	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project is based entirely on the **voluntary participation** of 131 smallholder farmers on their **existing, privately-owned agricultural land**. No land acquisition, restrictions on existing land use, or involuntary displacement is involved.
Additional guiding question:				
E8.1: In the implementation of the 6.4 activity, activity participants of the A6.4 activity are to avoid involuntary resettlement.	AGQ 8.1	Would the A6.4 activity lead to forced evictions or involuntary relocation of people?	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project relies on Free, Prior, and Informed Consent (FPIC) and does not restrict the farmers' use of land beyond the adoption of sustainable practices, which are beneficial to their livelihoods.
E8.2: When physical displacement (i.e., relocation or loss of shelter) cannot be avoided, activity participants of the A6.4 activity are to mitigate the displacement impacts on, and risks for, displaced persons and host communities to, at minimum, restore their livelihoods and/or living standards to pre-project levels. If the A6.4 activity involves Indigenous Peoples, their free, prior, and informed consent (FPIC) must be obtained in accordance with Element 9, included in section 6.4.6 of and in particular with criteria E9.5.	AGQ 8.2-1	Would the A6.4 activity pose any risks to displaced persons and host communities when physical displacement (i.e., relocation or loss of shelter) cannot be avoided?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation) (If yes or potentially, activity participant is required to develop a resettlement action plan and/or livelihood action plan in consultation and agreement with affected individuals, groups or communities).
	AGQ 8.2-2	Would the A6.4 activity pose any risk related to restoring livelihoods and/or living standards to at least pre- activity levels for displaced persons?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E8.3: Activity participants of the A6.4 activity are to mitigate impacts and risks of economic displacement (loss		Would the A 6.4 activity lead to economic displacement (i.e., loss of land or assets, or loss of	☐ Yes ☐ Potentially	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation) (If yes or potentially, activity participants are required to consider the impacts and risks of economic displacement in the resettlement action plan and in consultation and agreement with affected individuals, groups or

of land, assets, or access to assets, leading to loss of income sources or other means of livelihood), when economic displacement cannot be avoided.	AGQ 8.3	land or assets, or loss of access to assets, leading to loss of income sources or other means of livelihood)?	☐ No ☐ N/A	and in consultation and agreement with affected individuals, groups or communities)
E8.4: Activity participants of the A6.4 activity are to conduct a census and a socioeconomic baseline survey to identify all affected individuals, groups or communities that will be physically or economically displaced. A resettlement and/or livelihood action plans are to be integrated into A6.4-FORM-AC-016 (see figure 1) where physical displacement is involved. The action plan will be developed in accordance with international best practices (e.g. United Nations Development Programme Standard 5: Displacement and Resettlement), in full consultation with the affected individuals, groups or communities and based on good-faith negotiations. Resettlement understandings reached by the activity participants with affected individuals, groups or communities are to be	AGQ 8.4	Would the A6.4 activity and its activity participants impose any risk of not conducting full consultations with the affected individuals, groups, or communities, and of not considering good faith negotiations and reflecting resettlement understandings reached in written agreements?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 8 (Land acquisition and involuntary resettlement): If the answer to any of the additional guiding questions is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 9: Indigenous Peoples

This element and its criteria are described in subsection 6.4.6 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 11. Guiding questions for the risk assessment on Indigenous Peoples

Element 9 Indigenous Peoples			Risk assessment	
E9 The activity participant of the A6.4 activity recognizes the rights of Indigenous Peoples as outlined in host Party laws and regulations, and obligations of the host Party directly applicable to the A 6.4 activity under relevant international instruments.	ELQ9	Does the A6.4 activity involve Indigenous Peoples within the activity area of influence who may be affected directly or indirectly by the activity? If yes or potentially, please respond to the additional guiding questions.	☐ Yes ☐ Potentially ☐ No ☒ N/A	The project activity is located in Samrong Mai, Sub-district, Lahansai District, Buriram provien, Thailand. Based on the initial social screening and consultations, the project area does not contain communities of land formally recognized as Indigenous Peoples' territory under national or international definitions. All participants are ethnic Thai/local communities.
Additional guiding question:				
E9.1: Activity participants of the A6.4 activity are to identify all communities of Indigenous Peoples within the A6.4 activity boundary that may be affected by the A6.4 activity. They are to approach these communities with respect, sensitivity, and transparency ensuring that Indigenous Peoples are fully informed and voluntarily participating in the identification process.	AGQ 9.1	Would the A6.4 activity impose risks in areas where Indigenous Peoples are present (including the activity area of influence)?	☐ Yes ☐ Potentially ☐ No ☒ N/A	Element is not applicable.
E9.2: Activity participants of the A6.4 activity, with the full and effective participation of Indigenous Peoples involved, are to carry out an environmental and social analysis of the activities that may affect or involve Indigenous Peoples by completing A6.4-FORM-AC-015 (see figure 1). Adequate resources for the full and effective participation of Indigenous Peoples must be provided by activity participants of the A6.4 activity. The analysis should include the potential impacts on their rights, lands, territories, gender relations, resources, culture, cultural heritage and other potentially intangible impacts on Indigenous Peoples.	AGQ 9.2-1	Would the A6.4 activity pose a risk to areas, lands, and territories claimed by Indigenous Peoples?	☐ Yes ☐ Potentially ☐ No ☒ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 9.2-2	Would the A6.4 activity pose risks to the rights, lands, natural resources, territories, and traditional livelihoods of Indigenous Peoples?	☐ Yes ☐ Potentially ☐ No ☒ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation) If yes or potentially, activity participant is required to: - include an environmental and social analysis of the activities that may affect or involve Indigenous Peoples been conducted with the effective and meaningful participation of Indigenous Peoples; and - obtain free, prior, and informed consent (FPIC) from the Indigenous Peoples before using their cultural, intellectual, religious, and/or spiritual property.
E9.3: A6.4 activities do not result in the forcible removal of Indigenous Peoples from their lands and territories. No relocation is to take place without the FPIC of the Indigenous Peoples concerned. FPIC must be documented, as well as the agreements reached in the good faith dialogues, consultations, and negotiations with the Indigenous Peoples.	AGQ 9.3	Would the A6.4 activity lead to forcibly removing Indigenous Peoples from their lands and territories?	☐ Yes ☐ Potentially ☐ No ☒ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E9.4: Activity participants of the A6.4 activity are to recognize and respect the Indigenous Peoples' collective rights to own, use, develop and control the lands, resources, and territories that they possess by reason of traditional ownership or other traditional occupation or use, as well as those which they have otherwise acquired.	AGQ 9.4	Would the A6.4 activity lead to any risks regarding the recognition and respect of Indigenous Peoples' collective rights to own, use, develop, and control the lands, resources, and territories that they have traditionally owned, occupied, or otherwise used or acquired, including lands and territories for which they do not yet possess	☐ Yes ☐ Potentially ☐ No ☒ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E9.5: Activity participants of the A6.4 activity are to respect, protect and conserve the cultural, intellectual, religious and/or spiritual property of Indigenous			☐ Yes	

Peoples. The activity participants are not to access or utilize it without FPIC. FPIC must be obtained when there are impacts on (i) territory or land or resources; (ii) cultural heritage; or (iii) places containing sacred elements of special value to the community. FPIC must be documented both within the process and in the agreements reached through dialogues, consultations and ultimately good faith negotiations with the Indigenous Peoples, special value to the community, and utilizing local protocols where available.	AGQ 9.5	Would the A6.4 activity involve any risk of utilizing-cultural, intellectual, religious, and/or spiritual property of Indigenous Peoples without FPIC?	☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
E9.6: Activity participants of the A6.4 activity are to ensure that Indigenous Peoples are provided with the equitable sharing of benefits derived from the utilization and/or commercial development of natural resources on their lands and territories or the use of their traditional knowledge and practices by the A6.4 activity. This is to be undertaken through good-faith negotiations in a manner that is culturally appropriate and inclusive, and that 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.	AGQ 9.6-1	Would the A6.4 activity pose risks related to the utilization and/or commercial development of natural resources on lands and territories claimed by Indigenous Peoples? (if land acquisition and involuntary resettlement take place as part of the A6.4 activity, activity participants are required to consider and, where appropriate, ensure consistency	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 9.6-2	Would the A6.4 activity pose risks related to the Indigenous Peoples receiving an equitable share of benefits resulting from the use of their traditional knowledge and practices?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
		Would the A6.4 activity pose risks related to ensuring that the sharing of benefits resulting from a good-faith negotiated agreement regarding the appropriate use of Indigenous Peoples' traditional knowledge and practices is culturally appropriate and inclusive?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
		Would the A6.4 activity pose risks related to ensuring that the provisions of the agreement regarding the equitable sharing of benefits do 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 ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 9 (Indigenous Peoples): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially". Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A

Element 10: Corruption

This element and its criteria are described in subsection 6.4.7 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 12. Guiding questions for the risk assessment on corruption

Element 10 Corruption		Evaluation		Risk assessment
<i>E10; The A6.4 activity ensures the avoidance, prevention, and detection of corruption, and responds to corruption or corruption attempts during activity design, development, implementation and operation. To ensure this, activity participants of the A6.4 activity recognize that corruption negatively impacts every aspect of society by diverting essential resources needed to alleviate poverty, enhance health outcomes, and provide children with quality education.</i>	ELQ10	Do the activity participants provide a declaration that the proposed A6.4 activity, in its development, implementation, and operation, will not involve any illegal activities, including money laundering, tax evasion, fraud, bribery, or other criminal activities?	☒ Yes ☐ No	<i>The Project Owner Carbon Solution (Thailand) Part. And all Activity Participants formally declare and confirm that the project, its management, and its financing processes (including the Blockchain Tokenization/Benefit Sharing) adhere strictly to anti-corruption, anti-money laundering (AML), and fraud prevention regulations, both nationally and internationally. The use of a public DLT ledger further enhances transparency against potential fraud.</i>
Conclusion of the risk assessment on Element 10 (Corruption): If the answer to the element-level question above is "No", it indicates a potential risk and is not in accordance with the Article 6.4 mechanism activity standards for activities (AS-P) and programmes of activities (AS-PoA) and the Article 6.4 mechanism activity cycle procedures for activities (ACP-P) and programmes of activities (ACP-PoA). The DOE shall issue a negative validation opinion as per the Article 6.4 mechanism validation and verification standards for activities (VVS-P) and programmes of activities (VVS-PoA). If the evaluation of ELQ is "Yes", activity participants do not need to identify mitigation measures in A6.4-FORM-AC-016.				☐ Yes ☐ No

Element 11: Cultural heritage

This element and its criteria are described in subsection 6.4.8 of Section 6: Environmental and Social Safeguards of the A6.4 SD Tool.

Table 13. Guiding questions for the risk assessment on cultural heritage

Element 11 Cultural heritage			Evaluation	Risk assessment
E11: The A6.4 activity avoids impacts on cultural heritage. When avoidance of impacts is not possible, activity participants of the A6.4 activity are to identify and implement measures to address impacts on cultural heritage by completing A6.4-FORM-AC-015 and the A6.4 Environmental and social management plan.	ELQ11a	Does the A6.4 activity involve altering, damaging, or removing sites, objects, or structures of significant cultural heritage? If yes or potentially, please respond to additional guiding questions AGQ11.1, AGQ11.2-1, AGQ11.2-2 and AGQ11.2-3.	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project is limited to surface-level agricultural management on existing cultivated land. No excavation, construction of major facilities, or alteration of historical/cultural sites is involved.
	ELQ11b	Does the A6.4 activity involve the use or partial use of sites, objects, or structures of significant cultural heritage? If yes or potentially, please respond to additional guiding questions related to AGQ11.3-1, AGQ11.3-2, AGQ11.3-3, AGQ11.3-4 and AGQ11.3-5.	☐ Yes ☐ Potentially ☒ No ☐ N/A	The project activity does not utilize or involve any recognized cultural heritage sites.
Additional guiding question:				
E11.1: The A6.4 activity does not cause or contribute to the alteration, damage, or removal of any sites, objects, or structures of critical cultural heritage.	AGQ 11.1	Would the A6.4 activity lead to the alteration, damage, or removal of any sites, objects, or structures of critical cultural heritage?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
87.E11.2: Activity participants of the A6.4 activity are responsible for designing the activity to avoid significant adverse impacts on cultural heritage. The environmental and social risk impact assessment should determine whether the proposed location of an activity is in areas where cultural heritage is expected to be found during implementation or operations. Activity participants of the A6.4 activity will not proceed with the activity until an assessment by professionals and/or entities recognized by the host government, academia and/or the United Nations Educational, Scientific and Cultural Organization (UNESCO) is made to ensure that no adverse impacts on cultural heritage will occur. If the A6.4 activity involves Indigenous Peoples, FPIC must be obtained in accordance with Element 9, included in section 6.4.6 of and in particular with P9.5 criteria.	AGQ 11.2-1	Would the A6.4 activity lead to significant excavations, demolitions, earth movement, flooding, or other environmental changes?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 11.2-2	Would the A6.4 activity lead to alterations to landscapes and natural features with cultural significance?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 11.2-3	Would the A6.4 activity lead to adverse impacts on sites, structures, or objects with historical, cultural, artistic, traditional, or religious values, or on intangible forms of culture (e.g., knowledge, innovations, practices)? Note: Activities intended to protect and conserve cultural heritage may also have inadvertent adverse impacts.	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 11.3-1	Would the A6.4 activity involve the utilization of tangible and/or intangible forms (e.g., practices, traditional knowledge) of cultural heritage for commercial or other purposes?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation) (If yes or potentially, activity participants are required to inform communities about their rights under the law, the scope and nature of the proposed development, and its potential consequences).
	AGQ 11.3-2	Would the A6.4 activity involve a risk of not providing equitable sharing of benefits from the commercialization of such knowledge, innovations, or	☐ Yes ☐ Potentially ☐ No	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)

E11.3: Where the A6.4 activity proposes to utilize cultural heritage, including the knowledge, innovations, or practices of local communities, the affected communities are to be informed of their rights, the scope and nature of the proposed commercial development, and the potential consequences of such development.		practices in a way that is consistent with their	☐ N/A	
	AGQ 11.3-3	Would the A6.4 activity maintain its original activity design without changes, modifications, or updates that consider the opinions and recommendations of competent professionals recognized by the host party-government?	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 11.3-4	Would the A6.4 activity involve the involuntary relocation of people? If the answer is yes, please complete Element 8, Land acquisition and involuntary resettlement sections. If the answer is potentially, your assessment should re-assessed during project implementation and operation.	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
	AGQ 11.3-5	Would the A6.4 activity involve identifying and managing legitimate tenure rights that may be affected by the activity? If the answer is yes, please complete Element 8, Land acquisition and involuntary resettlement sections. If the answer is potentially, your assessment should re-assessed during project implementation and	☐ Yes ☐ Potentially ☐ No ☐ N/A	(Activity Participants are required to provide their assessment on how they conclude the outcome (Yes, Potentially, No or N/A) of the evaluation)
Conclusion of the risk assessment on Element 11 (Cultural heritage): If the answer to any of the additional guiding questions above is either "Yes" or "Potentially", the conclusion of the risk assessment is accordingly either "Yes" or "Potentially" accordingly. Under these circumstances, the activity participants are required to prepare mitigation measures under the specific element's criteria in the A6.4-FORM-AC-016.				☐ Yes ☐ Potentially ☐ No ☐ N/A