

PROJECT VIRU TSFC - PERU
Environmental and Social Action Plan (ESAP)

No.	Aspect	Action	Deliverable	Delivery date
PS 1: Assessment and Management of Environmental and Social Risks and Impacts				
1.1	National Legislation	1. Follow up on pending certifications presented to the environmental authority and inform IDB Invest when they are approved.	1. Pending certifications progress report. 2. Approved certifications report.	1. Every 6 months. 2. As they arise.
1.2	Identification of Risks and Impacts	1. Update the risks and impacts analysis, including those caused by climate change and natural disasters.	1. Updated risks and impacts analysis.	1. 6 months after signing the contract.
1.3	Gender	1. Sign the declaration of support for the Women's Empowerment Principles. 2. Complete the WEP gender equality measurement tool.	1. Declaration of support for the Women's Empowerment Principles. 2. WEP measurement tool report.	1. 6 months after signing the contract.
PS 2: Labor and Working Conditions				
2.1	Occupational Health and Safety	1. Establish objectives, goals and indicators to monitor the frequency of acute and/or chronic agro-chemical poisoning incidents. 2. Use these indicators to propose appropriate preventive and corrective action plans.	1. Objectives, goals and indicators. 2. Preventive and corrective action plans established.	1. 6 months after signing the contract. 2. 6 months after signing the contract.
PS 3: Resource Efficiency and Pollution Prevention				
3.1	GHG	1. Extend atmospheric emissions monitoring to all the Company's boilers to ensure that they comply with the WBG's General EHS Guidelines for each type of fuel.	1. Atmospheric emissions monitoring report.	1. Annual.
3.2	Water Consumption	1. Ensure that all possibilities are explored to resolve the pending water licenses at Chavimochic. 2. Notify progress to IDB Invest.	1. Pending licenses progress report.	1. Every 6 months.
		3. Ensure that drinking water quality is monitored at all locations and complies with the requirements and frequency described in the WBG General Guidelines.	3. Regular monitoring reports that meet the required parameters and frequency covering drinking water quality at all Company locations.	3. Annual.
		4. Strengthen community consultation to minimize the risks and impacts caused by unsatisfactory water availability and quality.	4. Proof of community consultation.	4. Annual.
3.3	Pollution Prevention – Effluents	1. Continually monitor and comply with the effluent parameters established in D.S. 004-2017-MINAM Environmental Water Quality Standards - Category 3 Vegetable Irrigation and Animal Drinking when used for irrigation purposes, and comply with the effluent parameters described in the World Bank Group's EHS Guidelines for processing food and beverages.	1. Continuous effluent monitoring reports that meet the required parameters and frequency covering irrigation water and all other effluents at all Company locations.	1. Annual.
3.4	Noise	1. Regularly measure occupational noise and comply with the 80 dB limit established in national regulations. Regularly measure daytime and nighttime environmental noise and comply with the 70 dB limit described in the WBG General Guidelines.	2. Regularly measure occupational noise and daytime and nighttime environmental noise and ensure that they meet the required parameters.	1. Annual.
3.5	Hazardous Materials Management	1. Prepare a Refrigerants Elimination Plan for any ozone depleting refrigerants that are subject to international elimination by the Montreal Protocol.	1. Refrigerants Elimination Plan.	1. 6 months after signing the contract.

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3.6	Pesticide Use and Management	1. Prepare a Pesticide Management Plan (PMP) that includes an Integrated Pest Management Procedure, and procedures covering the selection, acquisition, storage, handling and destruction of all expired stocks in accordance with the FAO International Code of Conduct on Pesticide Management that should be consistent with national commitments under the Stockholm, Rotterdam and Basel Conventions.	1. Pesticide Management Plan.	1. 6 months after signing the contract.
3.7	Soil	1. Update the Soil Management Plan to include erosion risk identification in accordance with the WBG Annual Crop Production Guidance. 2. Conduct agricultural soil chemistry analyses that meet the parameters and frequency established in national regulations to identify any areas that require remedial action.	1. Updated Soil Management Plan. 2. Soil chemistry analysis reports in agricultural fields.	1. 9 months after signing the contract. 2. Annual.
PS 4: Community Health, Safety, and Security				
4.1	Transportation	1. Update the Traffic and Road Safety Procedure to align it with the WBG General Guidelines and international best practices for driver and traffic safety for both owned and outsourced transportation.	1. Updated Traffic and Road Safety Procedure.	1. 6 months after signing the contract.
4.2	Safety	1. Update the Safety Manual to include corporate operating procedures in its GIS that identify and manage risks related to security forces, in accordance with the United Nations Voluntary Principles on Security and Human Rights.	1. Updated Safety Manual.	1. 6 months after signing the contract.
PS 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources				
6.1	Protection and Conservation of Biodiversity	1. Hire experts with appropriate regional experience that have been approved by IDB Invest to conduct a Biodiversity Study. This should include the identification of the risks and impacts, define measures to minimize them, determine whether some of these locations are critical or natural habitats for specific species, in accordance with the quantitative thresholds in the IFC's Guidance Note 6 "Biodiversity Conservation and Sustainable Management of Living Natural Resources", and develop a mitigation hierarchy that complies with Guidance Note 6. 2. Approve and implement the Biodiversity Action Plan prepared as a result of this study.	1. Biodiversity Study. 2. Implemented Biodiversity Study Action Plan.	1. 4 months after signing the contract. 2. As stated in the Action Plan.
6.2	Supply Chain	1. Update the Supplier Evaluation and Approval Procedure to include supplier location analysis and to identify significant conversions of natural or critical habitats.	1. Supplier location traceability system.	1. 6 months after signing the contract.
PS 8: Cultural Heritage				
8.1	Chance Find Procedures	1. Share the Cultural Heritage Preservation Procedure with suppliers and provide them with training sessions that explain how to apply it.	1. Proof of supplier training.	1. Annual.