

**PNG: Productive Partnership in Agriculture Project  
Environmental and Social Management Framework**

**Appendix 2: Environmental and Social Management Plan (ESMP)**

**A. ESMP Template Component 2 - Partnerships**

**Name of Partnership:** \_\_\_\_\_

**I. Proposed Partnership Activities**

*(Provide a summary of the proposed activities of the partnerships. A tabulated list of activities and an indication of their scales or extent of coverage, such as estimated cost, target number of hectares or target number of farmers, etc. is preferred for simplicity.)*

**II. Environmental Management**

**A. Environmental Assessment**

*(Provide a brief description/discussion of the biophysical environment of the areas covered by the partnerships, such as topography, water bodies, vegetative cover, erosion rates and agricultural practices, etc.)*

**B. Summary of Issues, Potential Impacts and Mitigation Measures**

*(Fill in the table below. In filling the table below, please refer to Section 6.0 for of the ESMF, particularly Tables 5 to 7 for ideas and guidance.)*

<b>Issues/Potential Impacts</b> <i>(List down environmental issues and/or potential environmental impacts of the activities)</i>	<b>Summary of Assessments of these issues/impacts</b> <i>(For each issue/impact provide an assessment of the significance or criticality of the issues or potential impacts with the end view of determining if measures are necessary)</i>	<b>Mitigation Measure</b> <i>(For each issue/impact, identify the mitigation measures of the impacts, if any is necessary)</i>	<b>Means of Implementation of Measures</b> <i>(Indicate how these measures will be implemented, i.e. whether they are included in the proposed partnership activities, other details)</i>
<b>Examples</b>			
Production support under the partnerships may result in increased use of pesticides	Initially the interventions through the partnerships may cause an increase in pesticide use but in the long run pesticide use will be minimized with the adoption of IPM	Ensure implementation of the IPM	Pest Management Plan
Increase risk of	The risk is significant at	Early training of	Incorporated in the

pesticide poisoning and contamination	the start of the program	farmers on the use and handling of pesticide	activities to be funded under the partnership
Etc.			
Etc.			

### III. Social Management Plan

#### A. Mini Social Assessment

*(Provide a brief description of the social environment of the areas to be covered by the partnerships, focusing on the presence of the following issues: (1) Low status of women, including their role in coffee/cocoa production; (2) Malnutrition and potential food security issues due to conversion of food gardens into coffee and cocoa blocks; (3) Alcoholism; (4) Literacy and numeracy; and (5) Prevalence of HIV/AIDS).*

#### B. Summary of Social Issues, Mitigation Measures

*(Please check only the one that applies or remove those that do not apply. If the issues are not listed please add them in the table and fill in the mitigation and documentation requirements. Please refer to 6.0 of the ESMF particularly Tables 5 to 7 for guidance and ideas. )*

Social Impact/Issues		Mitigation	Documentation Requirements/Evidence	Responsibility
<b><i>Indigenous Peoples Policy</i></b>				
Members of the community do not fully understand the proposed partnership	<input checked="" type="checkbox"/>	Ensure conduct of free and prior informed consultation to target farming communities	(a) Dated attendance sheets with attendees identified by gender and tribe (Tok) affiliation  and/or  (b) Dated photographs of consultation sessions conducted  and  (c) Summary of issues raised and how they were explained/ addressed	Lead partner and PMU
Members of the community do not support the partnership	<input checked="" type="checkbox"/>	Ensure broad community support or broad acceptance of the partnership	(a) Partnership agreement signed by all partner farmers; and, (b) Ward Council Certification/	Lead partner and PMU

<b>Social Impact/Issues</b>		<b>Mitigation</b>	<b>Documentation Requirements/Evidence</b>	<b>Responsibility</b>
			Endorsement (Optional)	
<b><i>Involuntary Resettlement Policy</i></b>				
Lands covered by the partnerships are under dispute	<input checked="" type="checkbox"/>	Ensure that lands covered by the project are dispute-free	Land Investigation Report	Lead partner and PMU
Use of land by farmer group/coop society	<input checked="" type="checkbox"/>	Ensure that group/cooperative has secured rights to the use of that land	Proof of secured rights such as (lease agreements, deed of donation, deed of sale, waiver or other usufruct agreements) adequate for the intended use	Lead partner
Land owned by individual farmer to be used by partner group/coop society	<input checked="" type="checkbox"/>	Ensure that lands are offered voluntarily by the owner to the group	The voluntary nature of all land use agreements between land owner and cooperative society should be validated	Lead partner and co-partner
<b><i>Other Adverse Social Impacts</i></b>				
Increase in disposable income are spent on vices and not on basic household needs	<input type="checkbox"/>	Ensure that partnership activities include training on expenses planning and budgeting for both husbands and wives  Farmer group/cooperative adopts a policy of income-expenditure record keeping	List of activities include training on household budgeting and expenditure  and/or  Cooperative society resolution adopting a policy on record keeping on incomes and expenses by members	Lead partner and Cooperative Society/Farmer Groups
Partnership cater only to men's interest resulting in further marginalization of women	<input type="checkbox"/>	Ensure that women are involved and share the benefits from the project	List of partnership activities include planned activities for Women	Lead partner
Incremental income will worsen existing problems of alcoholism and domestic violence	<input type="checkbox"/>	If Alcoholism is rampant, ensure that partnership activities include awareness and counselling	List of proposed activities include alcoholism prevention, counselling etc.	Lead partner
Increase incidence of HIV/AIDs	<input type="checkbox"/>	If HIV/AIDs is prevalent, ensure	List of proposed activities include	Lead partner

<b>Social Impact/Issues</b>		<b>Mitigation</b>	<b>Documentation Requirements/Evidence</b>	<b>Responsibility</b>
		partnership activities include HIV/AIDs awareness and prevention seminars	HIV/AIDs awareness and prevention campaigns	
Possible exploitation of children in the farms, preventing them from going to school	<input type="checkbox"/>	Ensure farmer groups adopt a policy restricting employment of children during school days	Resolution from cooperative adopting a policy on employment of children in the farm (ensuring child schooling is not disrupted)	Lead partner and PMU
Absence of grievance mechanism	<input type="checkbox"/>	Ensure that grievance mechanism is in place and the people are aware of it	(a) Information materials (b) Grievance boxes installed	Lead partner and PMU
Others...<Please add other issues if any>				

## **B. ESMP Template Component 2 (Market Access Infrastructure)**

**Name/Type of Infrastructure:** \_\_\_\_\_

**Location:** \_\_\_\_\_

### **I. Description of the Infrastructure**

*[Describe the type and scale of the infrastructure, i.e. what kind, the scale (e.g. length of road in km, length of bridge in meters, estimated costs, the extent of the work, quarry requirements, etc.) and whether it is a new construction or a rehabilitation of existing facility.]*

Civil/Construction Work	Scale (quantity: length, area or volume)	Estimated cost (PGK)
Excavation work		
Embankment work		
Concrete pavement		
Drainage canals		
Cross drains		
Quarrying (embankment materials and gravel extraction)		

## **II. Environmental Management**

### **A. Environmental Assessment**

*(Provide a brief description/discussion of the biophysical environment of the site of the proposed sites of infrastructure, such as topography, water bodies, vegetative cover, flooding and erosion potentials, etc.)*

## **B. Summary of Issues, Potential Impacts and Mitigation Measures**

*(Fill in the table below. See examples below. Please refer to Section 6.0 of the ESMF particularly Tables 5 to 7 for ideas and guidance.)*

<b>Issues/Potential Impacts</b> <i>(List down environmental issues and/or potential environmental impacts of the activities)</i>	<b>Summary of Assessments of these issues/impacts</b> <i>(For each issue/impact provide an assessment of the significance or criticality of the issues or potential impacts with the end view of determining if measures are necessary)</i>	<b>Mitigation Measure</b> <i>(For each issue/impact, identify the mitigation measures of the impacts, if any is necessary)</i>	<b>Means of Implementation of Measures</b> <i>(Indicate how these measures will be implemented, i.e. whether they are included in the proposed partnership activities, other details)</i>
<b>Examples</b>	<b>Examples</b>	<b>Examples</b>	<b>Examples</b>
Construction activities will increase sedimentation of waterways	Soil type and amount of rainfall make road embankments and cuts susceptible to erosion resulting in increased sedimentation of waterways.	Immediate compaction of roadside embankments and adoption of maximum allowable slopes.  Provision of ripraps on critical slopes  Planting of cover crop on road sides	Incorporated in the Program of Works of the contractors
Hauling of embankment materials during construction may destroy existing access roads not part of the project	Materials will be hauled from ___ to ____, passing through an existing road.	Provide regular maintenance work of the affected road during construction	Work to be contracted to the local community by the contractor
Etc.			
Etc.			

## **III. Social Management Plan**

### **A. Mini Social Assessment**

*(Provide a brief description of the social environment of the areas to be covered by the partnerships, focusing on the presence of the following issues: (1) potential opposition to the*

proposed infrastructure by certain groups in the community; (2) potential damage to crops or properties during construction; and, (3) community support and sense of ownership of the proposed infrastructure.)

## B. Summary of Social Issues, Mitigation Measures

(Please check only the one that applies or remove those that do not apply. If the issues are not listed please add them in the table and fill in the mitigation and documentation requirements. Please refer to 6.0 of the ESMF particularly Tables 5 to 7 for guidance and ideas. )

Social Impact/Issues		Mitigation	Documentation Requirements/Evidence	Responsibility
<b>Indigenous Peoples Policy</b>				
Affected/benefited communities do not fully understand the proposed infrastructure subproject	<input checked="" type="checkbox"/>	Ensure conduct of free and prior informed consultation among the beneficiary and affected communities	(a) Dated attendance sheets with attendees identified by gender and tribe affiliation and (b) Dated photographs of consultation sessions conducted and (c) Summary matrix of issues raised and how they were explained/ addressed	PMU, LLG, Ward Councils
Affected/benefited communities do not support the infrastructure subproject	<input checked="" type="checkbox"/>	Ensure broad community support or broad acceptance of the infrastructure subproject	Evidence of broad support by affected/benefited communities (e.g. Endorsement or Certification of Broad Support by the Ward Councils or by the majority of residents)	PMU,LLG, Ward Councils
<b>Involuntary Resettlement Policy</b>				
Land taking and/or Right-of-Way acquisition	<input checked="" type="checkbox"/>	In case of individually owned lands are to be used by the project, ensure that lands are offered voluntarily by the owner	Certification/validation of voluntary donation offer from the land owner to the benefited community or the concerned LLG (e.g. land donation waiver of rights in favor of Ward	PMU, LLGs, Ward Councils

			Council or LLG. Preferably notarized)	
Loss of Crops/Properties due to infrastructure subproject	<input checked="" type="checkbox"/>	Ensure consent of owners and in case of need for rehabilitation rehabilitated, ensure that benefited community provide assistance to the individual owner	Agreement between individual owner and the benefited community (e.g. can be combined with/included in the land donation/waiver agreement. Preferably notarized.)	PMU, LLG, Ward Councils
Accidental/unplanned crop/property damage during construction	<input checked="" type="checkbox"/>	Ensure that the contracting Construction Company has policy in place for compensating accidental damage to crops/properties	Appropriate liability clause in the Contract	PMU, LLG Ward Councils and Contractor
Lack of access to grievance mechanism	<input checked="" type="checkbox"/>	Ensure that grievance mechanism is in place and the people are aware of it	(a) Information materials (b) Grievance boxes installed	PMU, LLG, Ward Councils
<b><i>Negative Social Impacts</i></b>				
Infrastructure will indirectly increase access to vices and worsen alcoholism and HIV/AIDS	<input type="checkbox"/>	Sponsor information drive/counselling on alcoholism and HIV/AIDS prevention	Information drive materials	PMU, LLG, Ward Councils
Other social impacts <Please add other social impacts if any>				