



AFoCO Project Document

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| Project code | <i>AFoCO/012/2019</i> |
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| Project Profile | | | |
|-------------------------------------|--|------------------------|---|
| Project title | The Registration of Small-Scale Private Forest Plantations in Cambodia | | |
| Project duration | Estimated start date: 1 st January 2020 Estimated end date: 31 st December 2021 | | |
| Implementing Agency | Forestry Administration of Cambodia | | |
| Participating countries | Cambodia | | |
| Project site | Han Chey Mountain in Han Chey commune, Kampong Siem District, Kampong Cham province | | |
| Main objective | To expand the area of forest cover | | |
| Target Area¹ | Primary Target Area: Priority 1: Initiating customized reforestation models. Secondary Target Areas: Priority 4: Local livelihood improvement through forest-related activities; Priority 5: Strengthening institutional capabilities and resource and regional actions. | | |
| Budget and source of finance | Total: US \$ <u>275,110</u> - AFoCO: US \$ <u>249,410</u> - National: US \$ <u>25,700</u> | | |
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¹ Refer to the list of target areas, which is in accordance with the objectives and prevailing strategic plan of AFoCO (provided by the Secretariat).

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[Attachment-A]

Abbreviation and Acronyms

AFoCO

Asian Forest Cooperation Organization

SUMMARY

The overarching Goal of this project is “To enhance forest cover, increase sustainable livelihood opportunities, reduce degradation of natural forests, and support local development by establishing small-scale, private forest plantations”. Its Main (Development) Objective is ‘To initiate the piloting of small-scale private forest plantations and prepare for a succeeding phase of the project in which the rate of establishment of those plantations is increased” and its Specific Objective is “To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations”.

The project has been designed to achieve that Goal and those Objectives by addressing the principal problem of the “Insufficient development of small-scale private forest plantations”. The underlying causes of that problem include an ‘Inadequate Enabling Environment, “resulting from the government’s limited commitment and insufficient consideration of stakeholders” perspectives in resource management decision-making processes; and the “Limited expertise selecting suitable small-scale plantation tree species” that reflects the incomplete information describing the patterns of growth of selected tree species and the imperfect understanding of markets for small-scale forest plantation products.

The project provides two remedial interventions that are compatible with the current situation in the country designed to curtail the causes of the inadequate development of small-scale private forest plantations. The first of those addresses the inadequate enabling environment through the development and endorsement of appropriate guidelines and incentives to encourage the establishment of small-scale private forest plantations. The emergence of that enabling environment will result from the organization of extensive consultations with broad-based stakeholder representation.

The second intervention addresses the limited expertise selecting suitable small-scale plantation tree species by consolidating information on the patterns of growth and market demand of a preliminary selection of indigenous and introduced fast-growing tree species to assess their relative comparative advantages.

The implementation of these remedial measures will provide the means for the application of the enabling environment and the comparative assessments of the patterns of growth and market demand in the selection of species to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations. That application will require several interrelated actions, which will include an initial step to corroborate that the processes and procedures that are developed for registering small-scale private forest plantations are consistent with the objectives of national reforestation and forest restoration programs. It will also encompass the strengthening of institutional capacity and expansion of outreach initiatives; the provision of multiple levels of training to prepare private sector entities and small-scale farmers to participate in the establishment of small-scale private forest plantations; and the distribution of **100,000** seedlings of the selected tree species to 65-105 small-scale farmers to initiate the piloting of 375-425 ha of small-scale private forest plantations.

The project's contributions to achieving its Goal, as well as its Development Objective and Specific Objective, will unleash a process designed to ameliorate the effects of the primary problem addressed through the project, which is the insufficient development of small-scale private forest plantations, and ultimately result in more forest cover, improved local livelihoods, reduced degradation of natural forests, and increased investment in local development.

a) Expected outcome

The expected outcome of the project is the piloting of 375-425 ha of small-scale private forest plantations by 65-105 small-scale farmers that will unleash a process designed to ameliorate the effects of the insufficient development of those plantations and will ultimately result in more forest cover, improved local livelihoods, reduced degradation of natural forests, and increased investment in local development.

b) Expected outputs

The project has three expected outputs:

- **Output 1:** Guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed and endorsed.
- **Output 2:** Comparative assessments of the patterns of growth and market demand to use in the selection of species to provide in the establishment of small-scale private forest plantations are prepared.
- **Output 3:** Capacity building and outreach activities to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations are provided.

SECTION A. PROJECT CONTEXT

1. Background

Cambodia's natural forests, which have experienced significant declines in recent decades, have been under the management of the state and, until recently, there has been limited recognition and encouragement associated with the establishment of private forest plantations. This situation has discouraged the private sector, as well as those small-scale farmers who, except for their concerns about ownership claims and user rights, might otherwise have invested in plantation development. There is increasing recognition now of the constraints associated with excessive reliance on funding from the government for reforestation and forest restoration activities, however, that limits the application of those activities to a relatively small proportion of the country's degraded forestlands. Efforts to integrate an interrelated approach into forest landscape restoration activities that would arouse the private sector, small-scale farmers, and financial institutions – the latter of which have heretofore lacked collateral assurances from the government for loan programs - to invest in forest plantations – are increasing.

The principal elements of that approach were recently espoused when the country's first Declaration on Private Forests with the avowed aims of promoting public-private-farmer partnerships for establishing small- and medium-scale forest plantations and increasing forest cover throughout the country was promulgated. The implementation of that declaration requires an effective enabling environment, however, which would include the establishment of practical guidelines and incentives for confirming tenure and registering small-scale private forest plantations, accompanied by extensive stakeholder consultations and awareness raising campaigns, as well as the piloting of private small- and medium-scale forest plantations.

It is in recognition of these developments that the project for 'The Registration of Small-Scale Private Forest Plantations' is proposed. This project was developed to coincide with the various success factors accompanying the particularly favorable phasing associated with the recent promulgation of the government's Declaration on Private Forests. It will facilitate the development of the guidelines and incentives that will define the conditions required for confirming tenure and registering small-scale forest plantations and raising public awareness of those conditions among potential private sector and small-scale farmers investing in forest plantations.

2. Conformity with AFoCO's objectives and strategic priorities

The project will contribute to the achievement of the objectives of AFoCO, especially with regard to the objectives established for the period from 2018-2022 of increasing forest cover and improving livelihoods through forestry-related activities. Those two activities will be supported by an enabling environment that will be established through the project to facilitate the development of small-scale private forest plantations. The institutionalization of the enabling environment will expand livelihood opportunities for small-scale farmers, as well.

The project will also respond to one of the six national forestry concerns of its member states - Restoration and Rehabilitation - considered by AFoCO to be the "... most important and urgent to address." The attention directed through the project to Restoration and Rehabilitation will be the cornerstone of its Specific Objective, which is "To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations."

There are five priority areas that have been ranked by AFoCO through its assessment of internal and external factors and three of those have been assimilated into the structure of the project. Those priority areas, consistent with AFoCO's rankings, include:

- Priority 1: Initiating customized reforestation models. (The initiation of customized reforestation models is captured in the project's Specific Objective, which is "To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations." It will also be recognized in the capacity building training courses that are developed and delivered through the project to prepare private sector entities and small-scale farmers to participate in the initiation of pilot activities to establish small-scale private forest plantations);
- Priority 4: Local livelihood improvement through forest-related activities. (The enhancement of local livelihoods has been incorporated into the multipurpose Goal of the project, which is To enhance forest cover, increase sustainable livelihood opportunities, reduce degradation of natural forests, and support local development by establishing small-scale, private forest plantations. " and
- Priority 5: Strengthening institutional capabilities and resource and regional actions. (The strengthening of institutional capabilities is embedded in one of the three projected outputs of the project (Output 1), which is to develop and endorse an enabling environment that will encourage the development of small-scale private forest plantations. It is also encapsulated in the institutionalization expressed through the Specific Objective of the project stressing the means that will be required to confirm the tenure and register the piloting of small-scale private forest plantations).

3. Regionality

AFoCO is committed to strengthening regional forest cooperation by transforming proven technologies and policies into concrete actions in the context of sustainable forest management to address the impacts of climate change. The proposed project recognizes AFoCO's concern and commitment by ensuring regional representation from AFoCO member states at national workshops organized to review and endorse guidelines and incentives developed under the project to stimulate the establishment of small-scale private forest plantations. The regional presence at the national workshops will provide an exceptional opportunity to compare and contrast the advantages and disadvantages of the different approaches used in AFoCO member states throughout the region to encourage the establishment of small-scale private forest plantations. The establishment of those plantations by small-scale farmers will be used to promote sustainable forest management, address deforestation and degradation through the domestication of endemic, as well as exotic, species in degraded forest areas, strengthen capacity and expand public awareness, and enhance carbon stocks, which are recognized areas in which AFoCO has demonstrated its

regional comparative advantages. Each of those areas of expertise has been integrated into the project to achieve the most relevant expected outcome, which is the piloting of 375-425 ha of small-scale private forest plantations by 65-105 small-scale farmers that will unleash a process designed to ameliorate the effects of the insufficient development of those plantations and will ultimately result in more forest cover, improved local livelihoods, reduced degradation of natural forests, and increased investment in local development. The presence of regional representatives from AFoCO member states at national workshops will contribute immeasurably to the understanding of the structure and functions of effective enabling environments for encouraging the establishment of these small-scale private forest plantations.

The establishment of an appropriate enabling environment to encourage the development of private sector and small-scale farmer investments in forest plantations has advanced irregularly across the region, with the establishment of forest plantations proceeding most vigorously in Vietnam. There are some common elements and concerns, nevertheless, irrespective of the rate of the development of forest plantation establishment, and it is those shared aspects across those countries that are of the greatest interest in the region. Some of the more representative channels that are used in the region to exchange information, compare experiences, and discuss lessons learned with regard to those shared aspects through which the results of the proposed project would also be delivered include:

(1) The Asia-Pacific Forestry Commission, which is one of six Regional Forestry Commissions that has been established by the United Nations Food and Agriculture Organization (FAO) to provide policy and technical settings for countries to discuss, as well as to address, forest issues on a regional basis;

(2) The Asia-Pacific Network for Sustainable Forest Management and Rehabilitation, the purposes of which include expanding forest cover and improving forest ecosystems, and promoting the multiple functions of forests; and

(3) The Asian Forest Cooperation Organization (AFoCO), which is resolved to strengthen regional forest cooperation and to translate sound forest policies and proven technologies into action with a mission to rehabilitate degraded forestland and prevent deforestation and forest degradation.

4. Information on project target area

4.1 Geographic information

The proposed location of the piloting of small-scale private forest plantations is Han Chey Mountain in Han Chey commune, Kampong Siem District, Kampong Cham province (Figure 1). The project area, which is located along the banks of the Mekong River, is an important watershed that supports both provincial and local livelihoods. The commune, which has a land area of 2,752 ha, is composed of four villages (Hanchey, Krouch Saeuch, Lvea Ter, and Moan Haeur) in which there were 1,226 households made up of 3,017 males and 2,846 females in 2012.

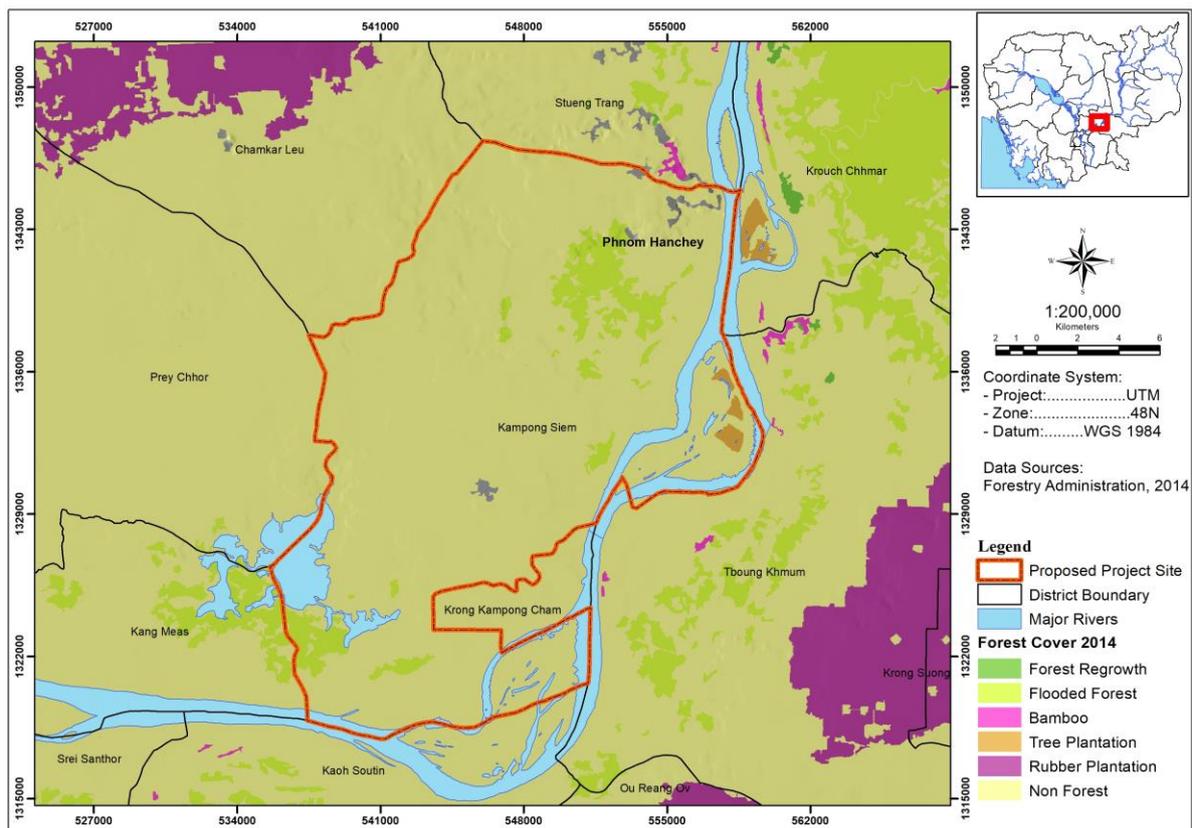


Figure 1. The location of the piloting of small-scale private forest plantations

4.2 Environmental information

Cambodia possesses a rich environmental and natural resource base, but these are continually threatened by short-sighted overexploitation. This is exemplified in Kampong Cham, where the project site is located, where about 25% of the province has 10% or more tree cover remaining. The most critical environmental issues that plague not only the project area, but are common throughout the country, are associated with:

- a) Surface water management, both as a long-term challenge and now becoming increasingly critical as the result of planned and actual infrastructure development on the Mekong River with the attendant implications of such development associated with climate change;
- b) Land allocation and use, especially on forested state land;
- c) Depletion of forests (including inundated forests), primarily through logging and concessions for resource extraction; and
- d) Degradation of soil driven by unsuitable agricultural practices. The awareness levels, education, and understanding of environmental and natural systems, services, and resource rights are currently extremely low in every segment of the population.

4.3 Socio-Economic information

The poverty level in the project area, as it is throughout much of Kampong Cham province, is one of the higher ones in the country. While there is an abundant labor supply with almost 60% of the population in the province under the age of 25 and the number of young people under that age continues to increase, one of the principal constraints affecting productivity is the low skill levels of the workforce. Some 75% of rural workers have only a primary education or less and possess no skills training other than that obtained through family training in agriculture.

There are high levels of illiteracy, moreover, especially among older women in rural areas, which provide another barrier to expanding skills training and greater productivity. Self-employment is a more viable option than employment for newly-trained unpaid family workers, but most institution-based training has little curriculum dedicated to self-employment or microenterprise management.

The situation has a negative impact on livelihoods and has led to the adoption of negative coping strategies to meet food requirements. Those strategies include increased seasonal migration, child labor, withdrawal - especially of girls - from school, altered food patterns towards less expensive, and often less nutritious, food, and reduced intake of food, especially for women and older girls. This perpetuates a cycle of health issues, debt, deforestation, and the sale of livestock and land.

These socioeconomic conditions underscore the importance of providing sufficient training, as well as an effective enabling environment, to encourage the establishment and ensure the sustainability of the small-scale private forest plantations that are planned to be established through this project.

SECTION B. RATIONALE AND OBJECTIVES

1. Rationale

1.1 Stakeholder analysis

Table 1. Stakeholder analysis

| Stakeholder group | Characteristics | Problems, needs, interests | Potential benefits | Involvement in the project |
|---|--|---|---|--|
| Primary stakeholders – Private sector, especially local communities. | | | | |
| | Livelihoods depend on natural resources. | Insufficient sustainable livelihood options. | Enhanced household incomes. Expanded availability of forest resources, especially non-timber forest products, engendered by the improved environmental conditions resulting from the reduced degradation of natural forests. | Opportunities to participate in programs to establish small-scale private forest plantations that would enhance sustainable livelihoods while providing another contributory source to the expansion of forest cover and the reduction of forest degradation in natural forests. |
| Secondary stakeholders – Forest resource and land use managers and planners. | | | | |
| | Responsible for the management of the country's forests. | Limited coordination, human resources capacity, and infrastructure development; Insufficient application of advanced technologies. | Provided with more broad-based information describing small-scale private forest plantation and land use management processes and | Provide technical and managerial support as cooperating partners in project implementation. |

| Stakeholder group | Characteristics | Problems, needs, interests | Potential benefits | Involvement in the project |
|---|--|---|---|---|
| | | Weak law enforcement. | procedures that would contribute to the improvement of forest management decision-making. | |
| Tertiary and other stakeholders – local government officials. | | | | |
| | Responsible for supporting programs enhancing local development. | Insufficient resources. Inadequate funding. Limited capacities. | Increased opportunities to increase investments that would support local development and improve environmental conditions throughout the watershed. | Contribute, in collaboration with other stakeholders, to the development of the processes and procedures associated with the establishment of an effective enabling environment to encourage the development of small-scale private forest plantations. |

There have been previous discussions between Forestry Administration officials and project stakeholders of the possibilities of establishing small-scale private forest plantations at the project site. The insights that were obtained as the result of those discussions will be integrated through a Participatory Rural Appraisal (PRA) conducted at the start of the project. The primary purposes of the PRA will be to more completely explore the socioeconomic and cultural characteristics of local communities in the project area, as well as community perceptions and preferences regarding potential species to be used in establishing tree plantations. The current state of assessment of the project's stakeholders is summarized in Table 1.

1.2 Problem analysis

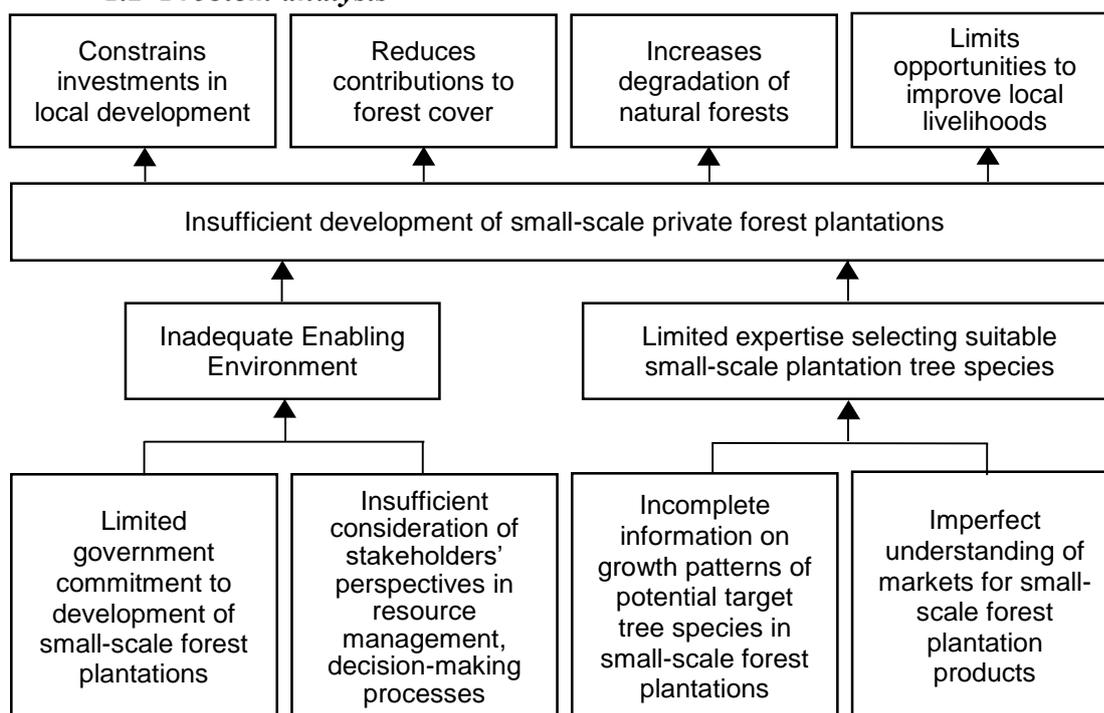


Figure 2. Problem Tree

1.3 Logical framework matrix

Table 2. Logical framework matrix

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|--|---|--|--|---|
| (Output 1) Guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed and endorsed. | | | | |
| A.1.1 | Establish a coordination committee to ensure effective implementation of the project in accordance with project-related requirements and regulations. | There is a TOR developed and the coordination committee is established with broad-based representation of primary, secondary, and tertiary stakeholders. | The TOR to establish the coordination committee will be prepared. The minutes of meetings of the coordination committee. Project progress reports. | Each of the members of the coordination committee will remain actively engaged in the project. Project management responses to recommendations of the coordination |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|------------|---|--|--|--|
| | | | | committee will be incorporated into project activities and will improve project performance. |
| A.1.2 | Conduct a Participatory Rural Appraisal (PRA) and organize extensive consultations with stakeholders to develop appropriate guidelines and incentives to encourage the establishment of small-scale private forest plantations. | The guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed. | The PRA report that will be prepared. The report on the consultations and The development of guidelines and incentives. | Stakeholders participating in the consultations will make meaningful contributions to the development of appropriate guidelines and incentives. The consultations will be productive and result in guidelines and incentives that are both practical, as well as effective. |
| A.1.3 | Organize national consultative workshops to review and endorse the guidelines and incentives. | The organization of several national workshops with representation from other AFoCO member states in the region with experience in developing and applying guidelines and incentives to encourage the establishment of small-scale private forest plantations. | The minutes of the national workshops. Project progress reports. | The presence of informed regional representation at the national workshops will result in the sharing of important information to use in the development and application of guidelines and incentives to encourage the establishment of |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|---|--|--|--|---|
| | | | | <p>small-scale private forest plantations.</p> <p>The government will endorse the enabling environment that will be developed.</p> |
| <p>(Output 2) Comparative assessments of the patterns of growth and market demand to use in the selection of species to provide in the establishment of small-scale private forest plantations are prepared.</p> | | | | |
| A.2.1 | Evaluate the patterns of growth and potential impacts on the environment of a preliminary selection of indigenous and introduced fast-growing trees from which the species that will be selected to establish small-scale private forest plantations will be determined. | The completed evaluation of the patterns of growth and potential impacts on the environment. | <p>The report on the patterns of growth and potential impacts on the environment that will be prepared.</p> <p>Project progress reports.</p> | The information that will be developed as a result of the evaluation will assure the selection of the most suitable species of seedlings to use in the establishment of small-scale private forest plantations. |
| A.2.2 | Review the current consumption patterns in local, national, and regional markets of the preliminary selection of tree | The completed review of current consumption patterns. | The report on current consumption patterns of the preliminary selection of tree species will be prepared. | It will be feasible to develop accurate estimates in markets of the current consumption patterns of the preliminary |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|---|---|--|--|---|
| | species. | | Project progress reports. | selection of tree species. The evaluation will provide important insights into market opportunities associated with the preliminary selection of tree species. |
| A.2.3 | Evaluate the competitive advantages associated with the patterns of growth and potential impacts on the environment, as well as on market demand, of the preliminary selection of tree species. | The completed evaluation of the competitive advantages of the preliminary selection of tree species. | The completed report on the competitive advantages of the preliminary selection of tree species will be prepared. Project progress reports. | The information required to assess the relative competitive advantages associated with the preliminary selection of tree species will be available and accessible. |
| <i>(Output 3) Capacity building and outreach activities to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations are provided.</i> | | | | |
| A.3.1 | Incorporate measures to ensure that processes and procedures for confirming tenure through the registration of small-scale private forest plantations re | The confirmation of tenure and compliance of processes and procedures with national reforestation and forest restoration programs. | The report on processes and procedures for confirming tenure and ensuring registration processes and procedures are consistent with the objectives of national | There will be no unanticipated disruptions in developing practical processes and procedures for registering the piloting of small-scale private forest plantations. |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|------------|--|---|--|---|
| | consistent with the objectives of national reforestation and forest restoration programs. | | reforestation and forest restoration programs is prepared. Project progress reports. | |
| A.3.2 | Organize and deliver multiple levels of training to prepare private sector entities and small-scale farmers to participate in the establishment of small-scale private forest plantations. | Several training modules, including training to assist small-scale farmers to develop linkages to markets, delivered to 200-300 private sector entities and small-scale farmer participants, including those registering for the piloting of small-scale private forest plantations in a succeeding phase of the project. | Records of training courses. Attendance at training courses. Project progress reports. | There is sufficient interest on the part of private sector entities and small-scale farmers to participate in the training courses. The subject matter of the training courses will address the requirements of the private sector entities and small-scale farmers participating in the training. |
| A.3.3 | Procure and distribute 100,000 seedlings of suitable tree species, determined in consultation with local communities, to small-scale farmers for the initial piloting of the program to establish small- | The distribution of 100,000 seedlings of suitable tree species to small-scale farmers. | The report on the distribution of plant seedlings to small-scale farmers is prepared. Project progress reports. | There will be no obstacles to hinder the procurement of the 100,000 seedlings of suitable tree species that are planned to be distributed to small-scale farmers to establish plantations. |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|----------------|--|--|--|--|
| | scale private forest plantations. | | | |
| A.3.4 | Prepare proposals to secure sufficient funding from other sources to implement a succeeding phase of the project to establish small-scale private forest plantations. | There will be several proposals submitted to donors for funding a succeeding phase of the project. | The proposals to secure further funding are prepared. Project progress reports. | There is considerable interest among private sector and small-scale farmers to register for the piloting of small-scale private forest plantations in a succeeding phase of the project. |
| Outputs | | | | |
| 1 | <p>Guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed and endorsed.</p> <p>The incentives that will be formulated through the extensive consultations with stakeholders under Output 1 are expected to incorporate both financial, as well as non-financial, inducements, to encourage participation in the establishment of small-scale private forest plantations. The most important lesson that has been learned from the previous experiences of the government, international donors, and non-governmental organizations in conducting projects in the country is that those incentives that are not introduced in isolation, but are rather presented in a manner in which they are considered to be part of more ‘holistic’ approaches that are designed to instill a sense of ownership among participants are the most effective. That approach in formulating incentives in this project will be exemplified through the distribution of seedlings free-of-charge in recognition of the importance that the government has attached to expanding the forest area in the country through small-scale plantations and the sense of ownership that will be instilled in participating families as the result of both the confirmation of tenure provided through registration and the contributions of the labor expended by participants in establishing those plantations. It is understood that the distribution of seedlings at no cost is not equivalent to the free distribution of seedlings to local communities in instances in which there is little or no concern with issues that involve land tenure and/or user rights. The registration of the land on which the plantations will be established and the concomitant reduction in land disputes that will result with the registration</p> | | | |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|-----------------------|---|---------------------------------------|-----------------------|-----------------------|
| | will be a critical element of the enabling environment developed under the project. Indeed, the registration process will provide a compelling inducement in efforts to instill a sense of ownership to small-scale farmers participating in the piloting of the plantations. That sense of ownership will be enhanced, as well, by the contribution of the labor of participating small-scale farmers in the establishment of the plantations. | | | |
| 2 | <p>Comparative assessments of the patterns of growth and market demand to use in the selection of species to provide in the establishment of small-scale private forest plantations are prepared.</p> <p>The comparative assessments of the patterns of growth and market demand implemented under Output 2 will be conducted on a preliminary selection of trees, which will include both native and exotic species that have been previously planted with some ‘success’ in the country. The selection of those species to use in establishing individual small-scale plantations will subsequently be determined from those comparative assessments and local preferences in consultation with local communities.</p> | | | |
| 3 | <p>Capacity building and outreach activities to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations are provided.</p> <p>The achievement of Output 3 will include the procurement and distribution of 100,000 seedlings among local communities in Han Chey commune in Kampong Cham province. The seedlings will be procured from nurseries in the province that are administered by the Forestry Administration, as well as, in some instances, from private sector nurseries, that match the provenance of the seedlings with the provenance requirements of the planting sites. There will be 750-1,000 seedlings distributed to each of 65-105 households currently living in the 4 villages of the commune. The selection of the households, as well as the distribution and planting of the seedlings and the monitoring of the planted areas, will be organized through a series of meetings. The purposes of those meetings will be to (i) raise awareness among the private sector and small-scale farmers of both the short- and long-term benefits of registering for the establishment of the plantations and matching villagers’ expressed interests with the assessment of the relative comparative advantages of selected tree species determined under Output 2; and (ii) discuss the appropriate procedures to use to plant the seedlings in either home gardens or in larger, more expansive areas reserved for multiple family participation, such as in community-established plantation areas that are adjacent to local schools.</p> | | | |
| Development Objective | To initiate the piloting of small- | 65-105 households will be selected to | | There is considerable |

| Activities | Narrative | Objectively Verifiable Indicators | Means of Verification | Assumptions |
|--------------------|---|---|---|---|
| | scale private forest plantations and prepare for a succeeding phase of the project in which the rate of establishment of those plantations is increased. | participate in the piloting of 375-425 ha of small-scale private forest plantations. 135-175 other households will demonstrate interest in establishing small-scale private forest plantations in a succeeding phase of the project. | Final project report. Project progress reports. | interest among private sector and small-scale farmers in the project area to register and participate in the piloting and subsequent establishment of small-scale private forest plantations. |
| Specific Objective | To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations. | The enabling environment, including guidelines and incentives, to encourage the establishment of small-scale private forest plantations, is developed and endorsed. | Report on the establishment of the enabling environment. Project progress reports. | The enabling environment will be appropriate and it will act as a harbinger of the projected expansion in the rate of establishment of small-scale private forest plantations. |
| Goal | To enhance forest cover, increase sustainable livelihood opportunities, reduce degradation of natural forests, and support local development by establishing small-scale, private forest plantations. | | | |

1.4 Justification

The principal problem addressed through the project is underscored in the Problem Tree depicted in Figure 2. It is the ‘Insufficient development of small-scale private forest plantations.’ The limited development of those plantations has several consequences. It constrains investments in local development; reduces contributions to forest cover; increases degradation of natural forests; and limits opportunities to improve local livelihoods.

The underlying causes of the insufficient development of small-scale private forest plantations under current conditions in Cambodia include:

- 1) an inadequate Enabling Environment, resulting from the government's limited commitment and insufficient consideration of stakeholders' perspectives in resource management decision-making processes; and
- 2) the limited expertise selecting suitable small-scale plantation tree species that reflects the absence of sufficient information and materials describing the patterns of growth of potential target tree species and the imperfect understanding of markets for small-scale forest plantation products.

The project provides two remedial interventions that are compatible with the current situation in the country designed to curtail the causes of the inadequate development of small-scale private forest plantations. The first of those addresses the inadequate enabling environment through the development and endorsement of appropriate guidelines and incentives to encourage the establishment of small-scale private forest plantations. The emergence of that enabling environment, which will result from the organization of extensive consultations with broad-based stakeholder representation, will be implemented under Output 1 of the project.

The second intervention addresses the limited expertise selecting suitable small-scale plantation tree species by consolidating information on the patterns of growth and market demand of a preliminary selection of indigenous and introduced fast-growing tree species to assess their relative comparative advantages. That assessment will be conducted under Output 2 of the project.

The implementation of these remedial measures will provide the means for the application of the enabling environment and the comparative assessments of the patterns of growth and market demand in the selection of species to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations in Output 3 of the project. That application will require several interrelated actions, which will include an initial step to corroborate that the processes and procedures that are developed for registering small-scale private forest plantations are consistent with the objectives of national reforestation and forest restoration programs. It will also encompass the strengthening of institutional capacity and expansion of outreach initiatives; the provision of multiple levels of training to prepare private sector entities and small-scale farmers to participate in the establishment of small-scale private forest plantations; and the distribution of 100,000 seedlings of the selected tree species to 65-105 small-scale farmers to initiate the piloting of 375-425 ha of small-scale private forest plantations.

The project's contributions to achieving its Goal, which is 'To enhance forest cover, increase sustainable livelihood opportunities, reduce degradation of natural forests, and support local development by establishing small-scale private forest plantations,' its Development Objective, which is 'To initiate the piloting of small-scale private forest plantations and prepare for a succeeding phase of the project in which the rate of establishment of those plantations is increased' and its Specific Objective, which is 'To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations,' will unleash a process designed to ameliorate the effects of the primary problem addressed through the project, which is the insufficient development of small-scale private forest

plantations, and ultimately result in more forest cover, improved local livelihoods, reduced degradation of natural forests, and increased investment in local development.

The most significant socioeconomic impacts that will be experienced by local people, who will be the primary beneficiaries of the project, will be attributable to two improvements in conditions brought about through the project. The first of those will be the enhanced incomes of local people as the result of the provision of increased opportunities for establishing pilot small-scale private forest plantations. The second will be the expanded availability and accessibility of the forest resources, especially non-timber forest products, resulting from the establishment of those plantations and the improved environmental conditions associated with the reduced degradation of natural forests.

There will also be a significant gender-related impact of the project through which women will be encouraged to participate in the piloting of small-scale private forest plantations. That participation will be facilitated by the extended partnerships that will be established through the project in engaging with recognized microfinance organizations with considerable experience lending to women to enhance livelihoods.

2. Objectives

2.1 Main objective (development objective)

The Main, or Development Objective, of the project is To initiate the piloting of small-scale private forest plantations and prepare for a succeeding phase of the project in which the rate of establishment of those plantations is increased.

2.2 Specific objective(s) and success criteria & indicators

The Specific Objective of the project is: To institutionalize the means to encourage the establishment of sustainable small-scale private forest plantations. Its objectively variable indicator is the development and endorsement of an enabling environment, including guidelines and incentives, to encourage the establishment of small-scale private forest plantations. Its success will be confirmed through the distribution of 100,000 seedlings of selected tree species to 65-105 households to establish 375-425 ha of small-scale private forest plantations.

SECTION C. DESCRIPTION OF PROJECT INTERVENTIONS

1. Work Plan and Schedule

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks |
|--|--|--------------------------------------|-----------------|----|----|----|--------|----|----|----|---------|
| | | | Year 1 | | | | Year 2 | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| Objective 1 | | | | | | | | | | | |
| <i>(Output 1)</i> Guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed and endorsed. | | | | | | | | | | | |
| A. 1.1 Establish a coordination committee to ensure effective implementation of the project in accordance with project-related requirements and regulations. | There is a TOR developed and the coordination committee is established with broad-based representation of primary, secondary, and tertiary stakeholders. | Project Team Leader | | | | | | | | | |
| | | Technical Advisor | | | | | | | | | |
| | | Forest Economics Specialist | | | | | | | | | |
| | Train the key project staffs on AFoCO Project management training at the RETC | Forest Silviculture Specialist | | | | | | | | | |
| | | Private Forest Plantation Specialist | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|---|---|---|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| A.1.2 Conduct a Participatory Rural Appraisal (PRA) and organize extensive consultations with stakeholders to develop appropriate guidelines and incentives to encourage the establishment of small-scale private forest plantations. | The guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed. | Project Team Leader Technical Advisor Forest Economics Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | | |
| A.1.3 Organize national consultative workshops to review and endorse the guidelines and incentives. | The organization of several national workshops with | Project Team Lead | | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | |
|--|--|--|-----------------|----|----|----|--------|----|----|----|---------|--|
| | | | Year 1 | | | | Year 2 | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| | representation from other AFoCO member states in the region with experience in developing and applying guidelines and incentives to encourage the establishment of small-scale private forest plantations. | Technical Advisor Forest Economics Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | |
| <i>(Output 2)</i> Comparative assessments of the patterns of growth and market demand to use in the selection of species to provide in the establishment of small-scale private forest plantations are prepared. | | | | | | | | | | | | |
| A. 2.1 Evaluate the patterns of growth and potential impacts on the environment of a preliminary selection of indigenous and | The completed evaluation of the patterns of growth | Project Team Leader Technical | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|--|---|--|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| introduced fast-growing trees from which the species that will be selected to establish small-scale private forest plantations will be determined. | and potential impacts on the environment. | Advisor Forest Economics Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | | |
| A. 2.2 Review the current consumption patterns in local, national, and regional markets of the preliminary selection of tree species. | The completed review of current consumption patterns. | Project Team Leader Technical Advisor | | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|---|--|---|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| | | Forest Economics Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | | |
| A 2.3 Evaluate the competitive advantages associated with the patterns of growth and potential impacts on the environment, as well as on market demand, of the preliminary selection of tree species. | The completed evaluation of the competitive advantages of the preliminary selection of tree species. | Project Team Leader Technical Advisor Forest Economics | | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|--|--|--|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| | | Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | | |
| <p><i>(Output 3)</i> Capacity building and outreach activities to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations are provided.</p> | | | | | | | | | | | | | |
| A. 3.1 Incorporate measures to ensure that processes and procedures for confirming tenure through the registration of small-scale private forest plantations are consistent with the objectives of national reforestation and forest restoration programs. | The confirmation of tenure and compliance of processes and procedures with national reforestation and forest restoration | Project Team Leader Technical Advisor Forest Economics | | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|---|--|---|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| | programs. | Specialist Forest Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | | |
| A. 3.2 Organize and deliver multiple levels of training to prepare private sector entities and small-scale farmers to participate in the establishment of small-scale private forest plantations. | Several training modules, including training to assist small-scale farmers to develop linkages to markets, delivered to 200-300 private sector entities and small-scale farmer participants, | Project Team Leader Technical Advisor Forest Economics Specialist Forest | | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | |
|--|--|---|-----------------|----|----|----|--------|----|----|----|---------|--|
| | | | Year 1 | | | | Year 2 | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| | including those registering for the piloting of small-scale private forest plantations in a succeeding phase of the project. | Silviculture Specialist Private Forest Plantation Specialist Project Field Team | | | | | | | | | | |
| A. 3.3 Procure and distribute 100,000 seedlings of suitable tree species, determined in consultation with local communities. to small-scale farmers for the initial piloting of the program to establish small-scale private forest plantations. | The distribution of 100,000 seedlings of suitable tree species to small-scale farmers. | Project Team Leader Technical Advisor Forest Economics Specialist Forest Silviculture Specialist | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | |
|--|--|--|-----------------|----|----|----|--------|----|----|----|---------|--|
| | | | Year 1 | | | | Year 2 | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| | | Private Forest Plantation Specialist Project Field Team | | | | | | | | | | |
| A. 3.4 Prepare proposals to secure sufficient funding from other sources to implement a succeeding phase of the project to establish small-scale private forest plantations. | There will be several proposals submitted to donors for funding a succeeding phase of the project. | Project Team Leader Technical Advisor Forest Economics Specialist Forest Silviculture Specialist Private | | | | | | | | | | |

| Outputs | Performance Indicator | Responsible Person/Body | Annual Timeline | | | | | | | | Remarks | | |
|---------|-----------------------|------------------------------|-----------------|----|----|----|--------|----|----|----|---------|--|--|
| | | | Year 1 | | | | Year 2 | | | | | | |
| | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| | | Forest Plantation Specialist | | | | | | | | | | | |

2. Budget (USD)

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|---|---|---------------------------------|---------------------------------|----------|---------------------------------|---------------------------------|---------------------------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| <i>Output 1: Guidelines and incentives to encourage the establishment of small-scale private forest plantations are developed and endorsed.</i> | | | | | | | |
| A 1.1 | Establish a coordination structure to ensure effective implementation of the project in accordance with project-related requirements and regulations. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1 | 1,200.00 | 1,200.00 | |
| 12 | Technical Advisor | mm | 1,000.00 | 0.5 | 500.00 | 500.00 | |
| 13 | Project Accountant | mm | 550.00 | 2 | 1,100.00 | 1,100.00 | |
| 21 | Forest Economic Specialist | mm | 700.00 | 0.5 | 350.00 | 350.00 | - |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 0.5 | 350.00 | 350.00 | |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 0.5 | 350.00 | 350.00 | - |
| 41 | Desk top computer (2set) | set | 700.00 | 2 | 1,400.00 | 1,400.00 | |
| 42 | Laptop computer (2set) | set | 700.00 | 2 | 1,400.00 | 1,400.00 | |
| 61 | Task Force and stakeholder meetings | meeting | 1,250.00 1,125.00 | 4 | 5,000.00 4,500.00 | 2,500.00 2,250.00 | 2,500.00 2,250.00 |
| 64 | Information and research findings publications | set | 375.00 | 2 | 750.00 | 375.00 | 375.00 |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|------------------|---|---------------------------------|------------|----------|--------------------------------------|--------------------------------------|--------------------------------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| 67 | Project management training at the RETC (DSA and the round-trip airfare, 2 persons) | Training | 1,500.00 | 2 | 3,000.00 | 1,500.00 | 1,500.00 |
| 62 | Project office and utilities | months | 800.00 | 24 | 19,200.00 | 9,600.00 | 9,600.00 |
| 52 | Office supplies | months | 100.00 | 24 | 2,400.00 | 1,200.00 | 1,200.00 |
| 65 | Project Audit cost | year | 2,750.00 | 2 | 5,500.00 | 2,750.00 | 2,750.00 |
| | <i>Sub-total</i> | | | | 39,500.00 42,000.00 | 23,075.00 24,325.00 | 16,425.00 17,675.00 |
| A 1.2 | Conduct a Participatory Rural Appraisal (PRA) and organize extensive consultations with stakeholders to develop appropriate guidelines and incentives to encourage the establishment of small-scale private forest plantations. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 3 | 3,600.00 | 1,800.00 | 1,800.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 2 | 2,000.00 | 1,000.00 | 1,000.00 |
| 13 | Project Accountant | mm | 550.00 | 4 | 2,200.00 | 1,100.00 | 1,100.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 3 | 2,100.00 | 1,050.00 | 1,050.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 3 | 2,100.00 | 1,050.00 | 1,050.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 4 | 2,800.00 | 1,400.00 | 1,400.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 16 | 6,160.00 | 3,080.00 | 3,080.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 4 | 2,600.00 | 1,300.00 | 1,300.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 150 | 7,500.00 | 3,750.00 | 3,750.00 |
| 64 | Information and research findings publications | set | 375.00 | 4 | 1,500.00 | 750.00 | 750.00 |
| | <i>Sub-total</i> | | | | 32,560.00 | 16,280.00 | 16,280.00 |
| A 1.3 | Organize national consultative workshops to review and endorse the guidelines and incentives. | | | | | | |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|--|--|---------------------------------|------------------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| 11 | Project Team Leader | mm | 1,200.00 | 1.5 | 1,800.00 | 900.00 | 900.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | 500.00 | 500.00 |
| 13 | Project Accountant | mm | 550.00 | 2 | 1,100.00 | 550.00 | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 8 | 3,080.00 | 1,540.00 | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 2 | 1,300.00 | 650.00 | 650.00 |
| 63 | National Consultative Workshops | Workshop | 12,500.00 11,250.00 | 2 | 25,000.00 22,500.00 | 12,500.00 11,250.00 | 12,500.00 11,250.00 |
| 64 | Information and research findings publications | set | 375.00 | 2 | 750.00 | 375.00 | 375.00 |
| | <i>Sub-total</i> | | | | 36,130.00 33,630.00 | 18,065.00 16,815.00 | 18,065.00 16,815.00 |
| <i>Output 2: Field assessment of wood-based demand to use in the selection of species to provide in the establishment of small-scale private forest plantations are undertaken.</i> | | | | | | | |
| A 2.1 | Evaluate the patterns of growth and potential impacts on the environment of a preliminary selection of indigenous and introduced fast-growing trees from which the species that will be selected to establish small-scale private forest plantations will be determined. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1 | 1,200.00 | - | 1,200.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | - | 1,000.00 |
| 13 | Project Accountant | mm | 550.00 | 1 | 550.00 | | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 1 | 700.00 | | 700.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 2 | 1,400.00 | | 1,400.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 1 | 700.00 | | 700.00 |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|------------------|--|---------------------------------|------------|----------|------------------|------------------|------------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 4 | 1,540.00 | | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 1 | 650.00 | | 650.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 50 | 2,500.00 | | 2,500.00 |
| 64 | Information and research findings publications | set | 375.00 | 1 | 375.00 | | 375.00 |
| | Sub-total | | | | 10,615.00 | - | 10,615.00 |
| A 2.2 | Review the current consumption patterns in local, national, and regional markets of the preliminary selection of tree species. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 2 | 2,400.00 | 1,200.00 | 1,200.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 2 | 2,000.00 | 1,000.00 | 1,000.00 |
| 13 | Project Accountant | mm | 550.00 | 4 | 2,200.00 | 1,100.00 | 1,100.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 4 | 2,800.00 | 1,400.00 | 1,400.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 16 | 6,160.00 | 3,080.00 | 3,080.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 4 | 2,600.00 | 1,300.00 | 1,300.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 60 | 3,000.00 | 1,500.00 | 1,500.00 |
| 64 | Information and research findings publications | set | 375.00 | 3 | 1,125.00 | 562.50 | 562.50 |
| | Sub-total | | | | 25,085.00 | 12,542.50 | 12,542.50 |
| A 2.3 | Evaluate the competitive advantages associated with the patterns of growth and potential impacts on the environment, as well as on market demand, of the preliminary selection of tree species. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1 | 1,200.00 | 600.00 | 600.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | 500.00 | 500.00 |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|--|---|---------------------------------|------------|----------|------------------|-----------------|-----------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| 13 | Project Accountant | mm | 550.00 | 2 | 1,100.00 | 550.00 | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 8 | 3,080.00 | 1,540.00 | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 1 | 650.00 | | 650.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 60 | 3,000.00 | 1,500.00 | 1,500.00 |
| 64 | Information and research findings publications | set | 375.00 | 1 | 375.00 | | 375.00 |
| | Sub-total | | | | 12,505.00 | 5,740.00 | 6,765.00 |
| <i>Output 3: Capacity building and outreach activities to initiate pilot plantations and prepare plans to support the continued establishment of small-scale private forest plantations are provided.</i> | | | | | | | |
| A 3.1 | Incorporate measures to ensure that processes and procedures for confirming tenure through the registration of small-scale private forest plantations are consistent with the objectives of national reforestation and forest restoration programs. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1.5 | 1,800.00 | 900.00 | 900.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | 500.00 | 500.00 |
| 13 | Project Accountant | mm | 550.00 | 2 | 1,100.00 | 550.00 | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 8 | 3,080.00 | 1,540.00 | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 2 | 1,300.00 | 650.00 | 650.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day | person- | 50.00 | 70 | 3,500.00 | 1,750.00 | 1,750.00 |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|------------------|---|---------------------------------|------------|----------|------------------|-----------------|-----------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| | (DSA, food, travel and accommodations) | day | | | | | |
| 64 | Information and research findings publications | set | 375.00 | 2 | 750.00 | 375.00 | 375.00 |
| | Sub-total | | | | 16,030.00 | 8,015.00 | 8,015.00 |
| A 3.2 | Organize and deliver multiple levels of training to prepare private sector entities and small-scale farmers to participate in the establishment of small-scale private forest plantations. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1.5 | 1,800.00 | 900.00 | 900.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | 500.00 | 500.00 |
| 13 | Project Accountant | mm | 550.00 | 2 | 1,100.00 | 550.00 | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 8 | 3,080.00 | 1,540.00 | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 2 | 1,300.00 | 650.00 | 650.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 90 | 4,500.00 | 2,250.00 | 2,250.00 |
| 64 | Information and research findings publications | set | 375.00 | 2 | 750.00 | 375.00 | 375.00 |
| | Sub-total | | | | 17,730.00 | 8,865.00 | 8,865.00 |
| A 3.3 | Procure and distribute 100,000 seedlings of suitable tree species, determined in consultation with local communities, to small-scale farmers for the initial piloting of the program to establish small-scale private forest plantations. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 1.5 | 1,800.00 | 900.00 | 900.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 1 | 1,000.00 | 500.00 | 500.00 |
| 13 | Project Accountant | mm | 550.00 | 3 | 1,650.00 | 1,100.00 | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|------------------|---|---------------------------------|------------|----------|-------------------|--------------------------------------|--------------------------------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 2 | 1,400.00 | 700.00 | 700.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 1 | 700.00 | 350.00 | 350.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | mm | 385.00 | 8 | 3,080.00 | 1,540.00 | 1,540.00 |
| 31 | Vehicle rental and local travel | month | 650.00 | 2 | 1,300.00 | 650.00 | 650.00 |
| 51 | Procure and distribute 100,000 selected tree seedlings (including fast growing trees and fruit trees) for community and public planting | seedling | 0.65 | 100,000 | 65,000.00 | 42,250.00 45,500.00 | 22,750.00 19,500.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | person-day | 50.00 | 90 | 4,500.00 | 2,250.00 | 2,250.00 |
| 64 | Information and research findings publications | set | 375.00 | 2 | 750.00 | 375.00 | 375.00 |
| | Sub-total | | | | 81,880.00 | 50,965.00 54,215.00 | 30,915.00 27,665.00 |
| A 3.4 | Prepare proposals to secure sufficient funding from other sources to implement a succeeding phase of the project to establish small-scale private forest plantations. | | | | | | |
| 11 | Project Team Leader | mm | 1,200.00 | 0.5 | 600.00 | | 600.00 |
| 12 | Technical Advisor | mm | 1,000.00 | 0.5 | 500.00 | | 500.00 |
| 13 | Project Accountant | mm | 550.00 | 1 | 550.00 | | 550.00 |
| 21 | Forest Economic Specialist | mm | 700.00 | 0.5 | 350.00 | | 350.00 |
| 22 | Forest Silvi-culture Specialist | mm | 700.00 | 0.5 | 350.00 | | 350.00 |
| 23 | Private Forest Plantation Specialist | mm | 700.00 | 0.5 | 350.00 | | 350.00 |
| 64 | Information and research findings publications | set | 375.00 | 1 | 375.00 | | 375.00 |
| | Sub-total | | | | 3,075.00 | - | 3,075.00 |
| | Total Budget | | | | 275,110.00 | 143,547.50 | 130,562.50 |

[Attachment-A]

| Budget Component | Activities | Budget Allocation by Year (USD) | | | | | |
|------------------|------------|---------------------------------|------------|----------|-------|------------|------------|
| | | Units | Units Cost | Quantity | Total | Year 1 | Year 2 |
| | | | | | | 146,797.50 | 128,312.50 |

Note: Government in-kind contributions, which total USD 25,700.00, are composed of:

Contributions of USD 19,200.00 under Budget Code 62 (Output 1, Activity 1.1) for Project Office and Utilities that amount to USD 19,200.00; and

Contributions of USD 6,500.00 under Budget Code 51 (Output 3, Activity 3.3) for 10% of the cost of procuring and distributing seedlings that amount to USD 65,000.00.

1. YEARLY BUDGET (Cambodia Component)*

| Category | Description | Total | Year 1 | Year 2 |
|-----------|--|------------------------|--------------------------------------|--------------------------------------|
| 10 | Personnel | | | |
| 11 | Project Team Leader | 17,400.00 | 8,400.00 | 9,000.00 |
| 12 | Technical Advisor | 11,000.00 | 5,000.00 | 6,000.00 |
| 13 | Project Accountant | 12,650.00 | 6,600.00 | 6,050.00 |
| 14 | Field Assistants (4pax) at US \$385 person/month | 29,260.00 | 13,860.00 | 15,400.00 |
| 19 | Subtotal | 70,310.00 | 33,860.00 | 36,450.00 |
| 20 | Sub-contract | | | |
| 21 | Forest Economic Specialist | 10,500.00 | 4,900.00 | 5,600.00 |
| 22 | Forest Silvi-culture Specialist | 11,200.00 | 4,900.00 | 6,300.00 |
| 23 | Private Forest Plantation Specialist | 10,500.00 | 4,900.00 | 5,600.00 |
| 29 | Subtotal | 32,200.00 | 14,700.00 | 17,500.00 |
| 30 | Travel | | | |
| 31 | Vehicle rental and local travel | 11,700.00 | 5,200.00 | 6,500.00 |
| 32 | Meetings, training, workshops at US \$50/participant/day (DSA, food, travel and accommodations) | 28,500.00 | 13,000.00 | 15,500.00 |
| 39 | Subtotal | 40,200.00 | 18,200.00 | 22,000.00 |
| 40 | Capital Items | | | |
| 41 | Desk top computer (2set) | 1,400.00 | 1,400.00 | - |
| 42 | Laptop computer (2set) | 1,400.00 | 1,400.00 | - |
| 49 | Subtotal | 2,800.00 | 2,800.00 | - |
| 50 | Consumable items | | | |
| 51 | Procure and distribute 100,000 selected tree seedlings (including fast growing trees and fruit trees) for community and public planting | 65,000.00 | 42,250.00 45,500.00 | 22,750.00 19,500.00 |
| 52 | Office supplies | 2,400.00 | 1,200.00 | 1,200.00 |
| 59 | Subtotal | 67,400.00 | 43,450.00 46,700.00 | 23,950.00 20,700.00 |
| 60 | Miscellaneous | | | |
| 61 | Task Force and stakeholder meetings | 5,000.00 4,500.00 | 2,500.00 2,250.00 | 2,500.00 2,250.00 |
| 62 | Project office and utilities | 19,200.00 | 9,600.00 | 9,600.00 |
| 63 | National Consultative Workshops | 25,000.00 22,500.00 | 12,500.00 11,250.00 | 12,500.00 11,250.00 |
| 64 | Information and research findings publications | 7,500.00 | 3,187.50 | 4,312.50 |
| 65 | Project Audit cost | 5,500.00 | 2,750.00 | 2,750.00 |
| 67 | Project management training at the RETC (DSA and the round-trip airfare, 2 persons) | 3,000.00 | 1,500.00 | 1,500.00 |
| 69 | Subtotal | 62,200.00 | 30,537.50 | 31,662.50 |

[Attachment-A]

| | | | | |
|-----|-------------|------------|-------------------------------------|-------------------------------------|
| 100 | GRAND TOTAL | 275,110.00 | 143,547.50 146,797.50 | 131,562.50 128,312.50 |
|-----|-------------|------------|-------------------------------------|-------------------------------------|

Note 1: Government in-kind contributions, which total USD 25,700.00, are composed of:

- Contributions of USD 19,200.00 under Budget Code 62 (Output 1, Activity 1.1) for Project Office and Utilities that amount to USD 19,200.00; and
- Contributions of USD 6,500.00 under Budget Code 51 (Output 3, Activity 3.3) for 10% of the cost of procuring and distributing seedlings that amount to USD 65,000.00.

* The personnel employed on the project will include Forestry Administration staff, as well as external consultants. Those Forestry Administration staff employed on the project will be placed on official administrative leave and will not receive their regular government salary and, thus, will not be double-paid during the project. The salaries of external consultants employed on the project were based on current market rates determined from a review of salaries paid for similar services provided in projects that have been previously implemented by the Forestry Administration in collaboration with several international donors. The costs that were allocated to travel - including meetings, training, and workshops - as well as capital and consumable items and miscellaneous items were determined from an assessment of the estimated current costs of those items procured in Phnom Penh, Cambodia.

** This revised allocation represents an increase of \$6,045 in the budget for community capacity development associated with meetings, training, and workshops. There will also be 65-105 households from local communities who will benefit from the provision of **100,000** seedlings through the project.

Note 2: Incorporating the AFoCO Secretariat Recommendations:

*** All newly changes are written in **BLUE**

**** As recommended by AFoCO Secretariat, a budget category lines were added, as the budget category: **67-Project management training at the RETC (DSA and the round-trip airfare, 2 persons)**

***** The overall project budget is remain the same as in the project proposal that approved at the 1st Session of AFoCO Assembly on 13th November 2019.

SECTION D. IMPLEMENTATION ARRANGEMENTS

1. Organizational structure

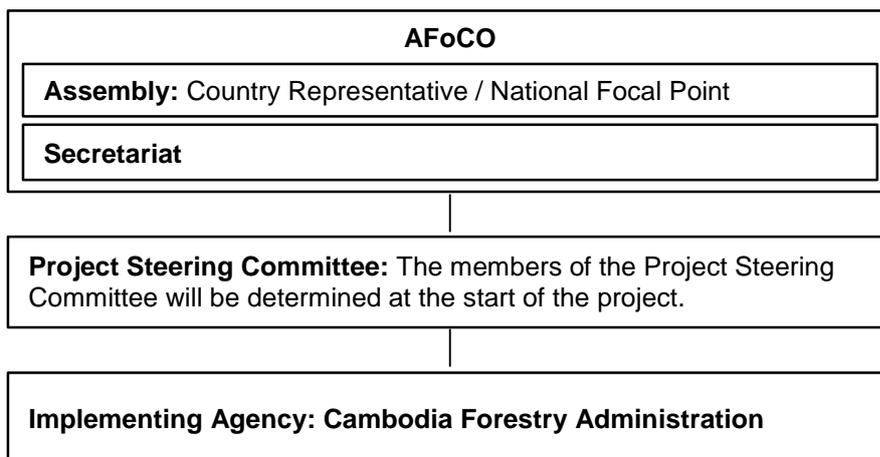
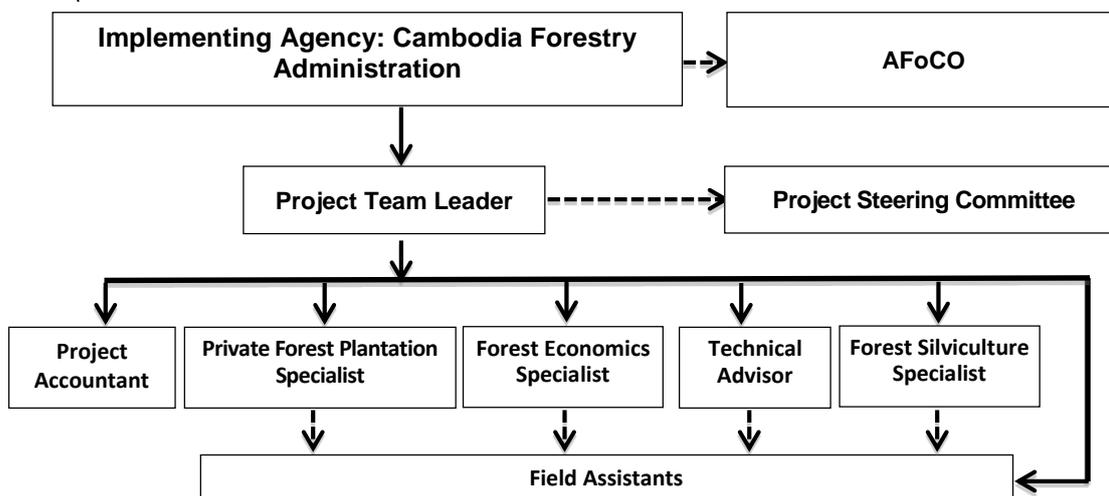


Figure 3. Organizational Structure of the Project



2. Staff resource plan

| No. | Description | Number | Duty station | Work (full/part time) |
|-----|--------------------------------------|--------|----------------------------|---------------------------|
| 1. | Project Team Leader | 1 | Phnom Penh | Full time (24 months) |
| 2. | Technical Advisor | 1 | Phnom Penh | Part time (11 months) |
| 3. | Private Forest Plantation Specialist | 1 | Phnom Penh and field sites | Part time (16 months) |
| 4. | Forest Silviculture Specialist | 1 | Phnom Penh and field sites | Part time (16 months) |
| 5. | Forest Economics Specialist | 1 | Phnom Penh and field sites | Part time (15 months) |
| 6. | Project Accountant | 1 | Phnom Penh | Full time (24 months) |
| 7. | Field Assistants | 4 | Field sites | Part time (76 man-months) |

| Position | Duties and responsibilities |
|---|---|
| Project Team Leader | <ul style="list-style-type: none"> • Overall project management in accordance with the Project Document and Project Agreement. • Serves as the Focal Point for the Forestry Administration and interacts on behalf of the project with government institutions and other relevant stakeholders. • Oversees the preparation and submission of the project Inception Report, project progress reports, project financial reports, and project work plans. • Provides day-to-day project administration and management and responds to other project-related duties as might be requested by AFoCO. |
| Technical Advisor | <ul style="list-style-type: none"> • Provides technical assistance to ensure the effective implementation of the project's planned activities. • Contributes to the preparation of project progress reports and other project-related reports and summaries. • Responds to other project-related duties as might be requested by the Project Team Leader. |
| Private Forest Plantation Specialist | <ul style="list-style-type: none"> • Collaborates with the Forest Silviculture Specialist and the Forest Economics Specialist, with assistance from the Field Assistants, in the organization of consultations with stakeholders to facilitate discussion of guidelines and incentives to encourage the establishment of small-scale private forest plantations. • Develops, in collaboration with the Forest Silviculture Specialist, the guidelines and incentives designed to encourage the establishment of small-scale private forest plantations. • Contributes to the establishment of practical procedures for registering the piloting of small-scale private forest plantations. • Participates in assessments of the patterns of growth and markets for selected tree species. • Participates in the organization and delivery of multiple levels of training to private sector entities and small-scale farmers. |

| Position | Duties and responsibilities |
|---------------------------------------|---|
| Forest Silviculture Specialist | <ul style="list-style-type: none"> • Collaborates with the Private Forest Plantation Specialist and the Forest Economics Specialist, with assistance from the Field Assistants, in the organization of consultations with stakeholders to facilitate discussion of guidelines and incentives to encourage the establishment of small-scale private forest plantations. • Develops, in collaboration with the Private Forest Plantation Specialist, the guidelines and incentives designed to encourage the establishment of small-scale private forest plantations. • Contributes to the establishment of practical procedures for registering the piloting of small-scale private forest plantations. • Participates in assessments of the patterns of growth and markets for selected tree species. • Participates in the organization and delivery of multiple levels of training to private sector entities and small-scale farmers. |
| Forest Economics Specialist | <ul style="list-style-type: none"> • Collaborates with the Private Forest Plantation Specialist and the Forest Silviculture Specialist, with assistance from the Field Assistants, in the organization of consultations with stakeholders to facilitate discussion of guidelines and incentives to encourage the establishment of small-scale private forest plantations. • Participates in assessments of the patterns of growth and markets for selected tree species. • Participates in the organization and delivery of multiple levels of training to private sector entities and small-scale farmers. • Evaluates participants' retention of training course content. |
| Project Accountant | <ul style="list-style-type: none"> • Executes policies and procedures to ensure sound project financial discipline and control. • Monitors project disbursements and expenditures consistent with sound financial practices and procedures. • Oversees procurement and ensures effective maintenance of equipment. • Provides regular reports, recommendations, and |

| Position | Duties and responsibilities |
|-------------------------|---|
| | interpretations of financial analyses to the Project Team Leader. |
| Field Assistants | <ul style="list-style-type: none"> • Provide assistance to the Private Forest Plantation Specialist and the Forest Silviculture Specialist in the organization of consultations with stakeholders to facilitate discussion of guidelines and incentives to encourage the establishment of small-scale private forest plantations. • Establish and sustain project presence with local communities and other relevant stakeholders associated with the initial piloting of small-scale private forest plantations. • Respond to other project-related duties as might be requested by the Private Forest Plantation Specialist or the Forest Silviculture Specialist. |

3. Reporting and monitoring arrangements

Internal Monitoring System

The internal monitoring of project activities will conform to the standard procedures that are used by the Cambodia Forestry Administration in which overall responsibility for project monitoring resides with the Project Manager, or, in this instance, the Project Team Leader. The Project Team Leader will organize visits to project sites to observe on-going project activities at least once during every three-month period of project implementation. Less formal day-to-day monitoring of field activities will be conducted by the Private Forest Plantation Specialist and/or the Forest Silvicultural Specialist.

External Monitoring System

The external monitoring of project activities will be in compliance with the AFoCO Project Manual. Planned visits to project sites by representatives of AFoCO/Korea Forest Service will be considered by the project coordination committee and, if recommended, will occur in the 6th, 12th, and 18th months of the project. The explicit purposes of each of those visits will be determined by an agenda that would be prepared by the project team in consultation with the project coordination committee and AFoCO prior to each of those visits.

The external monitoring of the project's financial operations will be achieved through audits that will be conducted by an independent accounting firm. Those audits will be commissioned at the end of the first year and at the end of the second year of the project.

4. Risk management and sustainability

4.1 Assumptions and risks

| No. | Potential risks/Assumptions | Mitigation strategy |
|-----|--|---|
| 1. | Difficulties in obtaining government endorsement of the enabling environment developed to encourage the establishment of small-scale private forest plantations. | The risk associated with the difficulties in obtaining government endorsement of the enabling environment developed through the project will be mitigated by achieving a broad consensus on the structure and content of the guidelines and incentives that will be included in the enabling environment. This will be accomplished by means of extensive consultations with stakeholders, especially with regard to ensuring sufficient representation of different levels of government throughout the consultation process. |
| 2. | Unanticipated delays experienced in developing practical procedures for registering the piloting of small-scale private forest plantations. | The risk associated with unanticipated delays experienced in developing practical procedures for registering the piloting of small-scale private forest plantations will be mitigated by the organization of a special round of stakeholder consultations. Those consultations will include sufficient government representation to achieve consensus on the most effective procedures for registering the piloting of small-scale private forest plantations. |
| 3. | There is a lack of interest among private sector and small-scale farmers in registering for the piloting of small-scale private forest plantations since, in their assessment, the long-term benefits of establishing and maintaining those plantations would not be considered sufficient compensation, especially in the short run, for the costs and effort required to establish and maintain those plantations. | The risk associated with the lack of interest among private sector and small-scale farmers in registering for the piloting of small-scale private forest plantations will be mitigated by redoubling efforts to raise awareness among private sector and small-scale farmers of both the short- and long-term benefits of registering for the piloting of those plantations. Those benefits will include the mutually beneficial partnerships that will be developed through the project in engaging with recognized microfinance organizations in the process of establishing the plantations. |
| 4. | The life of the project of two years may be too short to ensure that the small-scale farmers who | The risk associated with the uncertainty of developing effective linkages to facilitate, as well as sustain, market operations due to the |

| No. | Potential risks/Assumptions | Mitigation strategy |
|-----|--|---|
| | participate in the program will be able to develop effective linkages to facilitate, as well as sustain, market operations, especially if unforeseen events occur, such as severe storms that reduce seedling survival during the course of the project. | relatively short life of the project will be mitigated by consolidating considerations of the most effective manner of spreading out income and risks to increase the resilience of the program with those of the patterns of growth and markets in the determination, in consultation with local communities, of suitable tree species to be established in plantations. |

4.2 Sustainability

There are several factors that will contribute to the sustainability of project activities and the continued involvement of Cambodia Forest Administration officials in the completed activities of the project after its close. Those factors will include:

- The recent promulgation of the country's first Declaration on Private Forests with the purpose of promoting public-private-farmer partnerships for establishing small- and medium-scale forest plantations and increasing forest cover. This action executed by the Ministry of Agriculture, Forestry and Fisheries signals government recognition of the deforestation and forest degradation that has occurred in the country. It also underscores recognition of the importance of encouraging public-private-farmer partnerships in promoting the establishment of small- and medium-scale forest plantations throughout the country;
- The subsequent development and institutionalization of an effective enabling environment during the project to facilitate the widespread application of the Declaration on Private Forests. This will include the establishment of practical guidelines for the registration of small-scale private forest plantations accompanied by awareness raising campaigns and extensive stakeholder consultations;
- The preparations completed during this phase of the project, especially with regard to the establishment of practical procedures for registering the piloting of small-scale private forest plantations and the provision of multiple levels of training to prepare private sector entities and small-scale farmers to participate in piloting small-scale private forest plantations. The preparations will extend to the distribution of 100,000 seedlings of suitable trees species to 65-105 small-scale farmers to initiate the piloting of 375-425 ha of small-scale private forest plantations.
- The demonstrated interest of 135-175 other households in establishing a small-scale private forest plantation in a succeeding phase of the project that will be assured through the submission of proposals to secure sufficient funding to implement that next phase of the project; and

[Attachment-A]

- The incorporation of various policies, strategies, and programs to support and complement the implementation of broader development plans in the design of the project that reflect long-term national priorities, including those policies, strategies, and programs that are embedded in the following documents:
 - National Forest Program, 2010-2029.
 - Forestry Strategic Deployment Plan 2017-2030.
 - Rectangular Strategy Phase III, 2013-2018.
 - Cambodia Sustainable Development Goals 2017-2030.
 - Cambodia's Initial and Draft Second National Communication under the United Nations Framework Convention on Climate Change (UNFCCC).
-