

COMPREHENSIVE PROJECT PROFILE

I. PROJECT DESCRIPTION

Project Title : **Community-Based Reforestation and Management Project for Carood Watershed**

Project Type : Capital Formation and Technical Assistance

Project Components:

1. Infrastructure (const. of nursery and access road development)
2. Capability building on the management of tree plantation
3. Nursery operation (procurement of seeds/planting materials and seedling production of indigenous/native species)
4. Establishment of Tree Plantation (site preparation and design, planting and re-planting of indigenous/native species)
5. Maintenance and Operation of Tree Plantation (ring weeding and cultivation, fertilization, fire prevention and control, monitoring of project implementation)

Project Location : The proposed sites will be located in the municipalities of Alicia, Ubay and Mabini all of Bohol Integrated Area Development (BIAD) Cluster 3, Bohol Province.

Project Coverage :

Number of Hectares Potential for Tree Plantation		
MUNICIPALITY	TIMBERLAND (Has)	ALIENABLE AND DISPOSABLE LANDS
Alicia	407	11,043
Ubay	1,555	19,200
Mabini	2,400	4,055
Total	4,462	44,298

II. PROJECT STATUS :

The project is proposed for funding by local or foreign donor/ assisting agencies. A project profile is available for ready reference. Details and description for each project site location are available at the municipal local government units thru the Municipal Planning and Development Coordinator.

III. PROJECT JUSTIFICATION

Project Background

Bohol province has twelve (12) major rivers fed by hundreds of tributaries emanating from the upland watersheds. The Carood Watershed is the fifth largest watershed with a span of 20,472 hectares located in the six municipalities in the eastern part of Bohol. It provides significant water source for a significant number of households or residents in the catchment and supplies the irrigation requirements of the Bohol Irrigation Projects in: Malinao Dam, Pilar; Bayongan Dam, San Miguel; Capayas Dam, Ubay; Ilaya Dam, San Pascual Ubay; Cayacay Irrigation, Alicia; and irrigation facilities in Canawa, Cadapdapan, Gabayan, Budbod, Tambungan, Candijay.

In consonance with the Bohol Environment Code, the Honorable Governor Erico B. Aumentado issued an Executive Order No. 30 series of 2003, creating and acknowledging the Carood Watershed Management Council as the Policy-Making Body, that were tasked with the protection of the watershed. The council is a consortium of the six municipal local government units, among them the Municipalities of Alicia, Mabini and Ubay, together with people's organization implementing the community-based natural resource management programs, non-government organizations, and the concerned offices in the municipal, provincial and national government (Provincial Planning and Development Office, Bohol Environment Management Office, Department of Environment and Natural Resources, Office of the Provincial Agriculture and others).

Because of the prevailing major issues and concerns on deforestation in the headwaters, soil erosion, low productivity, inadequate supply of water and solid waste management, the council saw the need to establish and adopt a long term effective watershed planning and management that can provide desired goods and services without adversely affecting soil and water resources.

One of the effective programs of the government to reforest and rehabilitate the area that has been destroyed by the uncontrolled dwellers, illegal loggers and slash and burn farming or kaingin practices, is reforestation using the community-based strategy. This strategy is supportive of the Poverty Reduction Program of the province as well as a long term solution in the protection and conservation of the natural resources where the families are given an area to plant forest and fruit trees and after which the farmer beneficiaries are entitled to gain benefits out of their work. Having been given the right as well as the responsibility of utilizing managing the natural resources, the communities have a crucial role and position in the management of the watershed.

Consequently, there is a growing consciousness as to how important a well protected environment to the over-all development of a community, thus enhancing further its forest resources and other natural-based assets in the watershed is necessary in order to gain a well-balanced benefits on economic, environment and social services.

Project Objectives:

- To establish and develop 4,462 hectares of forestland/timberland which are open and denuded and 44,298 hectares of alienable and disposable lands in the municipalities of Alicia, Ubay, and Mabini.
- To reduce soil erosion, restore biodiversity and improve the quantity and quality of water for domestic and irrigation uses.
- To maintain ecological balance in the watershed.
- To promote socio-economic development in the beneficiary areas and thereby uplifting the living condition of the people living inside and outside the watershed.
- To strengthen participation, cooperation and collaboration of stakeholders in the protection and management of the watershed.

IV. ALIGNMENT WITH LOCAL AND NATIONAL PRIORITIES

The project is significantly aligned with the development priorities of the Province of Bohol particularly for the protection of the environment and natural resource management. As identified in the Province's medium-term goals, there is a need for the rehabilitation of open and denuded areas within the watersheds and forest reserves to ensure that people and society can sustain the benefits that these watersheds bring. Rehabilitation of the Carood watershed, which is a major source of water for domestic and irrigation use, make certain that it remains to be beneficial in the future. The project strengthens the very foundation for the implementation of several strategies like the development of integrated water supply systems for the BIAD clusters throughout the province and expansion of service coverage of the province's irrigation systems.

On the other hand, the proposed project supports one of the National Government's Ten Point Agenda - on reducing and eliminating incidence of poverty. It is the intention of this project to alleviate levels of deprivation in selected watershed areas, particularly for those people vulnerable to circumstances that may affect their lives significantly. It provides beneficiaries opportunities to participate actively in family-based environmental and economic activities. Through the project's implementation, people can be gainfully involved in sustainable income-generating initiatives that would eventually lead to better health conditions, education and welfare. Restoring and maintaining biodiversity and environmental integrity at the target areas is an equally important objective of this project. This will not only ensure life support systems but also sustainably provide for the economic resource requirements of communities. This proposed initiative will certainly contribute to the reduction of poverty and people's hardships in rural communities.

V. PROJECT FINANCING

Funds Needed : The project is estimated to cost **P 50 Million**. This is broken down as follows:

Project Component	Estimated Project Cost (Pesos)
1. Infrastructure (nursery and road access)	5 million
2. Nursery Operation & Trainings	5 million
3. Plantation Establishment	8 million
4. Plantation Maintenance and Operation	32 million
T o t a l	50 million

The project will be funded based on the actual schedule of activities for implementation, as will be finalized after detailed pre-implementation studies and design.

Fund Source : Local, National, NGOs, Foundation and Foreign Donors

Counterpart Funding

Considering the cost requirements for the project, it will be implemented through cost-sharing arrangements among the stakeholders of the project. Below outlines the general responsibilities and contribution of each major stakeholder:

- The Department of Environment and Natural Resources will provide the technical assistance and input for the planting materials in the establishment of tree plantation within the timberland or forestland areas.
- The provincial and municipal government will provide the funds or non-monetary (in-kind) contribution to support the establishment of nursery and other infrastructure facilities needed in the mobilization and implementation of the project. The Municipal LGUs will provide the land where the nursery will be located. LGUs will also be responsible for its operation and maintenance.
- The funding donors (national, foundations, NGOs and foreign) will provide funding support for the implementation of the proposed reforestation project in designated alienable and disposable lands in three municipalities within the watershed.
- The barangay and local communities will provide for the necessary labor counterpart, where necessary and appropriate, during the implementation and operation of the project.

VI. PROJECT BENEFITS AND COST

Beneficiaries

Approximately 75,000 people living within the watershed in the three municipalities will directly benefit from the project. The general population of Bohol will also benefit indirectly, through better watershed management that will provide sustainable water sources for domestic, commercial and industrial use.

Social Benefits

The proposed project will bring desirable outcomes to the area and would result to a better standard of living to the inhabitants. It provides for the general welfare of people and promotes healthy conditions which create opportunities for employment and greater income to the people in the target municipalities. The project, most importantly will enhance the integrity of the environment.

Economic Benefits

The project will improve and stir a positive impact in the rural economy of municipalities of Alicia, Ubay, and Mabini and increase per capita income of households as well as the income of the municipal LGU.

Economic Costs

Diversion of income derived from livelihood activities to the purchase of non-essential commodities as well as activities for pleasure and entertainment e.g. fiestas, gambling. This will reduce the savings rate of beneficiaries making them vulnerable against shocks and calamities. It is important to include in the project's Information and Education Campaign the proper utilization of family income and resources.

Environmental Costs

There are no foreseen negative environmental effects of the project. It should be emphasized that there will be no introduction of foreign species in that will pose a threat to the biodiversity of the target areas. Extensive monocropping will not be practiced to avoid the loss of biodiversity which is detrimental to the productivity of the area.

VII. PROJECT IMPLEMENTATION

RESPONSIBLE AGENCIES

1. Proponent Office - Local Governments of the Municipalities of Ubay, Alicia and Mabini, all in BIAD 3, Province of Bohol

2. Implementing Agency - LGU of Ubay, Alicia and Mabini
3. Cooperating Agency - DENR, PENRO, CENRO Talibon & Tagbilaran
Provincial Planning and Development Office
Office of the Provincial Agriculture
Department of Public Work and Highways
Provincial Engineers Office
4. Private Sector - People's Organization
Non-Government Organizations

IMPLEMENTATION SCHEDULE:

Major Activity	Implementation Schedule				
	Y1	Y2	Y3	Y4	Y5
1. Infrastructure (nursery, access road)	—	—	—	—	
2. Nursery Operation & Trainings	—	—	—		
3. Establishment of Tree Plantation	—	—	—		
4. Plantation Maintenance and Operation	—	—	—	—	—
5. Monitoring and Evaluation			—	—	—

ADMINISTRATIVE FEASIBILITY

A Project Coordinating Team will be formed, composed of representatives of each of the participating local government units, which will act as the direct supervisory body of the project. This team will also be composed of other relevant government offices of the Provincial and National Government such as the Bohol Environment Management Office, Provincial Agriculture Office, PPDO, the Department of Environment and Natural Resources and other concerned offices. Affected communities will also be represented in the Team.

Coordination meetings will be conducted regularly to ensure that the project implementation is on track and that deliverables and timelines are followed.

LEGAL AND POLITICAL FEASIBILITY

The Project is consistent with the national and local laws and enjoys the political support of all local government units in the area where it is proposed to be implemented as evidenced by their counterpart funding and interest for the project.

ENVIRONMENTAL COMPLIANCE

Actual site designation, delineation and evaluation, as well as road-right-of way must be secured by the proponent before the actual execution of the project.

Processing of the needed documents is to be facilitated and is not an obstacle for the implementation of the proposed project.

SOCIAL ACCEPTABILITY

The Communities, Barangays, Municipal Local Government Units and the Provincial Government are concerned about this proposal and will give full support and assurance to cooperate in their respective areas of responsibility. It is clear that the process of participatory planning will be adopted to ensure the wide participation of the cooperating agencies, NGOs, private sector and the stakeholders as a whole. It will be again presented back to community through public consultation in order to solicit possible suggestions and recommendations, if one and foremost the project proposal is drafted before it will be finalized for approval and implementation.

PROJECT SUSTAINABILITY

The project will facilitate the development of a clear and realistic sustainability plan in maintaining the viability of the multi-sectoral participation for its management and implementation. A series of consultation workshops will be done to define the each stakeholder's roles and responsibilities for the project. Strategies will be identified on how to sustain community interest and support.

The issue of sustainability will be the main responsibility of the local players and stakeholders. Constant follow-up and monitoring will be conducted to keep track the progress of the project implementation and monitor physical, financial and community utilization and achievements.

Prepared by the Bohol Integrated Area Development (BIAD) Cluster 3

FOR FURTHER DETAILS AND INFORMATION, PLEASE CONTACT:

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