

COMPREHENSIVE PROJECT PROFILE

1.0 PROJECT DESCRIPTION

1.1 Project Title : **CONSTRUCTION OF WATER RESERVIORS**

1.2 Project Type : This is a Capital-Forming project involving the construction of two 150 cu.m. reservoirs

1.3 Project Components :

The project will include activities for land acquisition, design preparation, procurement of materials and deployment of labor, the construction of the reservoirs and eventually their operation.

The construction stage will involve the embankment, construction of concrete footing, walling and the top cover. Plumbing works will also be undertaken during this stage.

1.4 Project Location :

The reservoirs will be constructed in Barangay San Isidro and Barangay Totolan in the Municipality of Daus, Bohol Province.

2.0 PROJECT STATUS

This project is in the proposal stage. A project profile is available, as prepared by the Local Government of Daus, containing basic facts and description on what the project involves. Preliminary studies have already been conducted on the technical viability of the construction of the reservoirs, both by the San Isidro Barangay Waterworks and the Municipal Waterworks, the water systems that operate in San Isidro and Totolan, respectively. In both cases, the operation of the reservoirs will ensure reliable provision of water to residents. Program of works have already been prepared for these reservoirs, and the necessary project requirements have already been identified. The project supports the development thrust of the Municipal Government for an improved water system. It is proposed for funding from local or foreign donor agencies with municipal and barangay counterpart funds provided.

3.0 PROJECT JUSTIFICATION/RATIONALE

3.1 Project Background

The Municipality of Davis is located 3 kilometers from Bohol's capital city of Tagbilaran. With this proximity of the municipality to the economic center of the province, people have considered the area as ideal for residential development and economic ventures. Population in Davis has been growing with an annual growth rate of 1.90%. The municipality is essentially an agricultural area with farming and fishing as the dominant source of income for most of its people. However, its tourism potentials are now becoming apparent with the establishment and growth of various resorts and tourism-related enterprise in the area.

Along with the tourism development and increase in population, the island municipality indeed requires appropriate water supply and water distribution system to provide for the domestic and commercial demand for water. Currently, the Municipal Government is managing the municipal waterworks system which buys water in bulk from a local water company in Tagbilaran City. This arrangement has allowed the water system to provide water to eight (8) out of 12 barangays in the municipality. On the other hand, Barangay water systems also operate, especially in areas not serve by the municipal water system.

Despite efforts of the municipal and barangay governments to improve the water systems, there are still areas in the municipality whose households are deprived from accessing potable water. Based on the 2004 local survey on levels of deprivation, there are about 462 households in Davis that have doubtful drinking water, or have no access to a community water system or even deep/ artesian/ shallow wells. More specifically, there are even barangays where number of households with doubtful drinking water have reached to alarming levels. This is true in Barangay Songculan and Tabalong where there are about 39.39% and 22.97% of total households, respectively, have no direct access to potable water.

Limited funds have prevented local governments to initiate lasting and effective solutions to address the mentioned water problem. While water supply is not an issue, lack of water reservoir to store water remains to be a concern of the water systems. This is particularly evident in populated barangays and in areas where water pressure is weak or the location is distant from the water source. While reservoirs have been constructed, these initiatives are observed to be done on piecemeal basis, or with limited reservoir capacity.

In Barangay San Isidro, for example, where the Barangay operates its own water system, has constructed a 25 cubic meter reservoir. To date, the said reservoir could not cope up with the daily water needs of the households in the barangay alone. A reservoir with much greater water capacity is required

in order to serve all of its households and even consumers from its neighboring Barangays of Biking and Dao. On the other hand, Barangay Totolan, though very near to Tagbilaran City, has no water reservoir of its own. This municipal waterworks-serviced barangay has been experiencing problems in water provision brought about by high water demand of its increasing population. A reservoir is required to provide reliable water supply especially in peak periods of the day.

The provision of water in Dausi is considered a priority concern of all of its residents. While it is obviously necessary for the domestic needs of people, it is also equally important to the growing tourism industry and agriculture development of the municipality. The construction of a water reservoir in Barangay San Isidro will definitely have a positive effect on the lives of people in the area. This would provide a reliable water supply to Barangay San Isidro, Dao and Biking, where the municipality's agriculture production and tourism development are concentrated. A reservoir in Barangay Totolan, in like manner, will afford water to the increasing inhabitants of the area as well as making it suitable for economic and business activities. This would also stimulate growth in nearby barangays.

On the overall, the proposed project will promote the general well-being and health of the target beneficiaries. It also facilitates the development of the target areas into investment-ready locations, where economic activities may bring financial returns to the people.

3.2 Project Linkages

The project complements existing water supply enhancement projects in Dausi, both by municipal and barangay water systems. As mentioned, water reservoirs have been constructed in selected areas in the municipality. With this proposed project, meeting the target of improving the provision of potable water for the people of Dausi will be hastened. It also supports tourism and agriculture development, the two major economic drivers of the municipality. The construction of reservoirs goes together with the on-going development of infrastructure facilities in the area which stimulates economic growth.

3.3 Project Objectives

- a. To construct two 150-cubic meter water reservoir at Barangay San Isidro and Totolan, Municipality of Dausi
- b. To improve people's access for affordable potable water
- c. To stimulate economic growth in the affected areas of the project

3.4 Sectoral Objectives

The project supports the infrastructure development thrust of the Municipality of Daus. It also pushes for the expansion of tourism and agriculture industries in the area that provide opportunities for employment and additional source of income.

3.5 National Objectives

On a broader context, the project contributes in promoting the general welfare of the people, especially the poor. It is in line with the national drive for poverty reduction, allowing the people of Daus to access affordable potable water and promoting a healthy community.

4.0 PROJECT FINANCING

4.1 Funds Needed

The estimated cost of the project is P3,000,000.00 to cover all the identified components for the two project sites.

4.2 Funding Source

The project is proposed for funding from interested local or foreign donor agencies, national government agencies, the private sector and non-government organizations. The municipal and barangay governments of Daus will provide for counterpart funds and contributions for the project.

4.3 Counterpart Funding

The Municipality of Daus will provide a financial contribution equivalent to 10% of the total project cost. This will be sourced from the Municipal 20% Development Fund. On the other hand, both Barangays of San Isidro and Totolan will provide for the land requirements of the project.

5.0 PROJECT BENEFITS AND COSTS

5.1 Direct Beneficiaries

The direct beneficiaries of the project are the households to be served by their respective water systems brought about by the constructed water reservoirs. These households, totaling to about 2,897 in 2004, are in Barangays San Isidro, Totolan, Dao, Biking, Songculan and Mariveles. Indirectly, the project will also benefit the entire population of Daus, as it encourages tourism and agriculture development in the area that brings employment opportunities to people.

5.2 Social Benefits

Provision of affordable potable water would enhance poverty alleviation initiatives in the municipality. It promotes better health and well-being of people. It also reduces the occurrence of water-borne diseases from doubtful sources of drinking water.

5.3 Economic Benefits

The project will indirectly promote the tourism and agriculture development in the municipality. The presence of reliable, affordable and accessible water would create an environment suitable for business ventures and investments. This will bring employment opportunities and income-generating activities to the target areas. Also, the project will enhance agricultural productivity and industrial development.

5.4 Social and Economic Cost

There are no foreseen social or economic downturns or unwanted effects that the project may bring in the municipality.

6.0 PROJECT IMPLEMENTATION

6.1 Responsible Agencies

- Office of the Municipal Engineer
- Office of the MPDC
- Barangay Council of San Isidro Totolan
- Municipal and Barangay Waterworks system
- Office of the Mayor
- Designing and construction
- Coordination, Monitoring and Evaluation, Fund-sourcing
- Lot acquisition, maintenance
- Designing, construction, operation and maintenance of water systems
- Fund-sourcing, overall administration

6.2 Implementation Schedule

ACTIVITY	Time Table		Target		Responsible Persons
	Date to Start	Date to Finish	Physical	Financial	
1. Fund sourcing	Oct. 2006	Dec. 2006		3 million	Office of the Mayor/MPDC
2. Lot Acquisition	Jan. 2007	Feb. 2007	200 sq m		Barangay Council san Isidro Totolan,

ACTIVITY	Time Table		Target		Responsible Persons
	Date to Start	Date to Finish	Physical	Financial	
					Waterworks supervisor
3. Program of work and structural design preparation	Jan. 2007	Jan. 2007		3 million	M.E., Waterworks supervisor, MPDC
4. Procurement of materials and labor	Feb. 2007	April 2007		3 million	M.E., Waterworks Supervisor
5. Project Construction	March 2007	Aug. 2007	2 150-cu.m. reservoir	3 million	M.E., Waterworks Supervisor, Barangay Council
6. Integration to waterworks system	Sept. 2007	Sept. 2007	2 150-cu.m. reservoir integrated		M.E., Waterworks Supervisors, Mun. Mayor, Barangay Council
7. Monitoring and evaluation	Start of Project	Onwards			MPDC, MIWMT Team

6.3 Administrative Feasibility

The Municipal Government of Daus has the capacity to implement the project through the Office of the Municipal Engineer, in coordination with the Office of the Municipal Planning and Development Coordinator, Municipal and Barangay Waterworks Systems, and the Barangay Councils of Totolan and San Isidro. The waterworks system, through its supervisor, will be responsible for the operation and maintenance of the water reservoir.

6.4 Legal and Political Feasibility

The proposed project has no legal and political impediments and opposition from the community.

6.5 Environmental Clearance

Both Barangay Council will seek Certificate of Non-coverage from EMB-7.

6.6 Social Acceptability

Both projects are well supported by the communities.