

# COMPREHENSIVE PROJECT PROFILE

## INTER-MUNICIPAL WATER SUPPLY SYSTEM IMPROVEMENT PROJECT



### PROJECT HIGHLIGHTS

Number of barangays/villages covered	14
Municipalities Involved	3
Population covered <small>2007 Census</small>	29,674
Project cost	Php 10.2 million US\$0.20 million

### I. PROJECT DESCRIPTION

1. Project Title : **INTER-MUNICIPAL WATER SUPPLY SYSTEM EXPANSION PROJECT (IWSSEP)**
2. Project Type : Capital Forming
3. Project Location : The project will cover 14 barangays in 3 municipalities in Bohol Province, namely:
  - Dagohoy, Bohol covering eight (8) barangays (Brgys. Babag, Caluasan, Mahayag, Malitbog, Poblacion, San Miguel, San Vicente and Santa Cruz)
  - Pilar, Bohol covering three (3) barangays (Estaca, La Suerte and San Isidro)
  - San Miguel, Bohol covering three (3) barangays (Bayongan, Mahayag and Corazon)

#### 4. Project Components:

1. Installation of Transmission pipeline (8” diameter) from Brgy. San Vicente’ s Sagnap Spring (Pilar) to a reservoir, 8 kilometers away in Dagohoy
2. Construction of Intake Tank
3. institutional component
  - the development of management and monitoring systems as well as regulations for revolving funds, construction and operations.
  - the preparation of design, construction and operation manuals; and

## II. PROJECT STATUS

1. Proposed Project : This is proposed as an improvement project of the existing waterworks system of Pilar and Dagohoy Municipalities
2. Status of Project Operation : Fund negotiation
3. Investment Programming : For funding

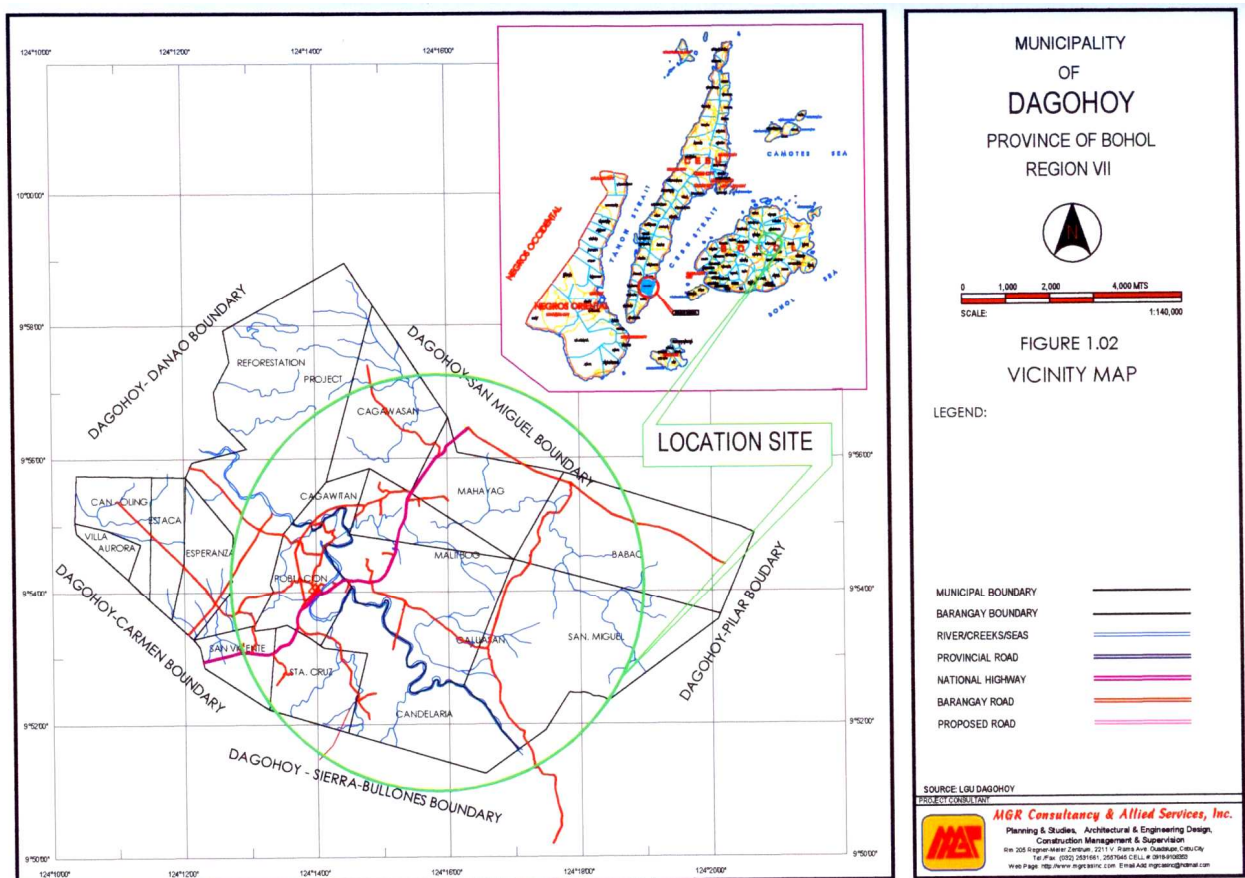
## III. PROJECT JUSTIFICATION

### 1. Project Background

The project is proposed as an improvement project of the newly completed Waterworks System started by the Municipality of Dagohoy. The project involves the tapping of a water source from Sagnap Spring in Pilar, the construction of an intake tank and the laying of new transmission pipelines traversing through 14 barangays of 3 municipalities, i.e. three (3) barangays of Pilar, three (3) barangays of San Miguel and eight (8) barangays of Dagohoy municipality. This will augment their existing water supply.

A Memorandum of Agreement (MOA) was made among the three municipalities of Pilar, San Miguel and Dagohoy allowing the latter to tap the water from Sagnap Spring and bring it ultimately to Dagohoy town. The MOA stipulates that PICOWASSCO (Pilar Community on Water and Sanitation Services Cooperative), the water provider of Pilar, shall supply

a corresponding amount of water to the 14 barangays of the 3 Municipalities of Pilar, San Miguel and Dagohoy. However, due to the increasing water requirements of its consumers, PICOWASSCO was unable to supply the required water demanded by the 14 barangays. Because of this, technical personnel of the three (3) local government units conclusively decided to install another parallel transmission pipeline from the water source (spring) in San Vicente, Pilar to three (3) of its barangays as well as to San Miguel and Dagohoy towns in order to solve the problem and ultimately give assurance to its clientele the quality of water service they need. Also, the needed volume of water to supply a larger number of household consumers requires bigger pipelines. Hence, this proposal.



The detailed implementation strategy and financial analysis of the project may be referred to the completed feasibility study conducted by the Municipality of Dagohoy attached with this document.

The project was conceived through partnership approaches within the Bohol Integrated Area Development Cluster with the end in view of contributing to local economic development and poverty alleviation, while improving Local Government Units' (LGUs) capability for better service delivery.

## 2. Demographic Profile

Municipality/Barangay	Population 2007	Municipality/Barangay	Population 2007
<b>DAGOHOY</b>		<b>PILAR</b>	
1 Babag	1,242	1 Estaca	2,825
2 Can-oling	802	2 La Suerte	740
3 Candelaria	896	3 San Isidro	2,395
4 Estaca	586	Total	5,960
5 Cagawasan	972		
6 Cagawitan	668		
7 Caluasan	1,925	<b>SAN MIGUEL</b>	
8 La Esperanza	1,228	1 Bayongan	2,089
9 Mahayag	863	2 Mahayag	2,215
10 Malitbog	1,453	3 Corazon	1,619
11 Poblacion	2,526	Total	5,923
12 San Miguel	2,485	<b>Grand Total: 29,674</b>	
13 San Vicente	1,378		
14 Santa Cruz	767		
Total	17,791	Source: NSO 2007 Census of Population	

In the last 50 years, the water demand of the three municipalities has increased almost fivefold, a sustained growth rate of 2.9 percent for over half a century. In that same time, population has tripled. In the next 50 years, demographers expect population to triple again with a corresponding increase in water demand.

## 2. Project Linkages

The project is an expansion of the Proposed Improvement/Expansion of the Dagohoy Municipal Waterworks System Project the feasibility study of which has already been completed (please see attached copy).

The improvement and upgrading of the San Miguel, Dagohoy, and Pilar transmission and distribution water supply pipelines directly supports the execution of the Bohol Integrated Water Supply System Master Plan. In the said master plan, these municipalities were identified as the priority areas for water supply development.

## 3. Project Objectives

The overarching goal of the project is to improve the living condition of the people especially in the affected barangays. It aims to address

water shortages in the 14 barangays comprising the municipalities of Dagohoy, Pilar and San Miguel through the provision of safe drinking water to some 30 thousand residents in the 14 villages of 3 municipalities in Bohol.

Specifically, the project's objectives are as follows:

1. to improve the safety, reliability, efficiency, and financial viability of the water supply services through the improvement of the capacity and coverage of existing waterworks system in the three municipalities
2. to provide adequate water supply to accommodate future growth
3. to provide sustainable, safe and accessible water to residents and tourists to promote good health
  - improve the quality and safety of water to reduce water-borne related diseases to 5%.
  - provide adequate supply of potable water to the eight (8) brgys of Dagohoy, three (3) brgys of Pilar and three (3) brgys of San Miguel

#### 4. Sectoral Objectives

1. The project is in line with the UN-MDG and the thrust of the Department of Health to have safe and potable drinking water
2. Employment opportunity can also be considered during the construction and full operation of the system
3. The development and upgrading of the water system facilities is considered a kind of initiative for the implementation of the Bohol Integrated Water Supply System Master Plan
4. The project addresses the Governor's 10 in 2010 thrusts

#### 5. Regional and National Objectives

1. It is in line with the President's 10-Point Agenda
2. Reducing poverty incidence in the locality

#### IV. PROJECT FINANCING

1. Funds Needed : Php 10.20 million
  - o Transmission pipeline (8”dia) from Spring to reservoir - Php 10,000,000.00
  - o Intake Tank - Php 200,000.00

2. Project Financing

The funds if possible shall be deposited to the coffer of the Local Government Unit of Dagohoy, being the implementing agency. Liquidation papers and other documents shall be submitted to the funding agency after the project completion.

3. Funding Source : Out sourcing

It is emphasized, however, that the project costs are still subject to revision after the detailed engineering planning and design shall have been conducted

4. Counterpart Funding

Considering the huge financial requirements for the project. Its implementation and operation will definitely be funded through counterparting arrangements and the three LGUs are very much willing to provide technical personnel and labor services for the project as counterpart

#### V. PROJECT BENEFITS AND COSTS

1. Beneficiaries

The improvement of the water system facilities of the three (3) Municipalities (Dagohoy, Pilar and San Miguel) can provide and supply the water demand needed by its constituents. Not less than 250 households per barangay or a total of 3,500 households are the beneficiaries of this project.

2. Benefits

The people in these service areas can have access to adequate safe and potable drinking water and minimize if not eradicate water borne diseases. Likewise, it can increase their income through water based livelihood projects and ultimately improve their living condition.

## VI. PROJECT IMPLEMENTATION

### 1. Responsible Agencies

The Local Government Units of Dagohoy, Pilar and San Miguel thru the Municipal Planning and Development Office (MPDO) and the Office of the Municipal Engineer in coordination with the funding Agency

### 2. Implementing Schedule

ACTIVITIES	MONTH						FINANCING
1. Purchase of supplies and materials	X	X					
2. Construction			X	X	X	X	
3. Supervision, monitoring and evaluation			X	X	X	X	X
4. Liquidation							X

### 3. Environmental Clearance

The necessary environmental clearances shall be secured before the implementation of the project. Also, impact mitigating measures will be carefully studied and subsequently implemented, to ensure that unfavorable environmental impact is minimized.

It is strongly recommended that conservation measures of water resource/watershed area be undertaken to ensure the sustainability of water supply.

### 4. Social Acceptability

The project can answer the perennial problem of inadequate supply of potable water of the community and likewise will have positive benefits to the populace.

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