

**APPLICATION FOR TECHNOLOGY NEEDS ASSESSMENT**

Name of Enterprise: Sangguniang Barangay of Maniwaya		
Contact Person: Analiza C. Romasanta	Position in the Enterprise: Punong Barangay	
Office Address: Maniwaya, Sta. Cruz, Marinduque Maniwaya, Sta. Cruz, Marinduque	Tel. No. 09567901047	Fax No.
	E-mail Address:	
Factory Address: Maniwaya, Sta. Cruz, Marinduque	Tel. No.	Fax No.
	E-mail Address:	
Website:		

**GENERAL AGREEMENTS:**

1. The applicant shall, at the earliest opportunity, make available to the DOST Regional Office MIMAROPA (DOST MIMAROPA) all information (manuals, procedures, etc.) required to establish the technology status of the selected core business functions and management systems;
2. If DOST MIMAROPA is not satisfied that all the requirements for business registration are complied with, it shall inform the applicant of the observed deficiencies before starting the assessment;
3. When the required inputs to the assessment are already supplied by the applicant, including Attachment A, the DOST MIMAROPA will assess the firm through the core business functions and management systems, whichever is applicable, to identify technology needs and verify compliance to standards vis-à-vis existing practices;
4. When the DOST MIMAROPA has completed the technology assessment, a report will be prepared on the results of the assessment with accompanying recommendations and opportunities for improvement. The report prepared will define the scope of activities, functions, management practices and locations assessed. The applicant shall not claim or otherwise imply that the report applies to other locations, product or activities not covered by the report;

5. The applicant agrees that the report will not be used until permission has been granted by the DOST MIMAROPA;
6. The applicant agrees that the receipt or acknowledgment of the report ends the assessment stage; any technical assistance ensuing from the recommendations of the report will be viewed as a separate project.

#### **UNDERTAKING**

**I agree to undertake and observe the above General Agreements as stipulated by the Department of Science and Technology Regional Office MIMAROPA**

  
**ANALIZA C. ROMASANTA**  
Signature over Printed Name

**PUNONG BARANGAY**  
Position in the Enterprise

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Date

**Enterprise Profile**Name of Enterprise Local Government of Unit of Sta. CruzProduction Site/Location Maniwaya, Sta. Cruz, Marinduque

Business Permit No. \_\_\_\_\_ Year Registered \_\_\_\_\_

Brief Enterprise Background \_\_\_\_\_

Maniwaya is a barangay in the municipality of Sta. Cruz with population of 1,687 and total land area of 325.9398. It was declared as one of the GIDA areas of the province by the National Economic Development Authority (NEDA) last 2019.

Barangay Maniwaya is situated in the southwestern part of the municipality of Sta. Cruz approximately 10 km from the Brgy. Buyabod pier about 30 to 45 minutes ride by motorized banca and 14km from municipal hall of LGU Sta. Cruz.

Communities of Barangay Maniwaya relies on deep well with water pumps as their source of domestic water. Most of the constituents has rainwater collectors installed in their houses which is one of the sources of their drinking water. An estimated of 80-100 containers of potable water per day is shifted to Brgy. Maniwaya, Sta. Cruz, Marinduque thru banca which is sold in the Brgy. for Php 55.00 each.

Year enterprise was established: \_\_\_\_\_ Initial capitalization: \_\_\_\_\_

Type of Organization: ☐ Single proprietorship  
☐ Cooperative  
☐ Partnership  
☐ Corporation  
☐ Profit  
☐ Non-profit  
☒ LGU

Enterprise Registration No. \_\_\_\_\_ Year Registered \_\_\_\_\_

Classification according to capital (Php) Present capitalization \_\_\_\_\_

- ☐ Micro (less than 1.5 M)  
☐ Small (1.5 – 15 M)  
☐ Medium (15 – 100 M)

Classification according to employment (number of employees)

- ☐ Micro (1 – 9)  
☒ Small (10 – 99)  
☐ Medium (100 – 199)

Number of Employees:

Direct Workers	M:___	F:___
Production	M:___	F:___
Non-production	M:___	F:___
Indirect/Contract Workers	M:___	F:___
Total	M:___	F:___

Business Activity:

- ☐ Food processing (please specify commodity) \_\_\_\_\_
- ☐ Furniture (please specify commodity) \_\_\_\_\_
- ☐ Gifts, decors, handicrafts (please specify commodity) \_\_\_\_\_
- ☐ Metals and engineering (please specify commodity) \_\_\_\_\_
- ☐ Agriculture/Marine/Aquaculture (please specify commodity) \_\_\_\_\_
- ☐ Health products and pharmaceuticals (please specify commodity) \_\_\_\_\_
- ☐ Information and Communications Technology (ICT) products (please specify commodity) \_\_\_\_\_
- ☐ / Others, please specify \_\_\_\_\_ Public Service

1. Specific product or service the enterprise offers its customers:

Public Service

\_\_\_\_\_

\_\_\_\_\_

2. Reasons why assistance is being sought:

To address the issue of Brgy Maniwaya constituents having access to low-cost, safe drinking

water.

To utilize the vast resources of ocean water to be processed into potable water.

3. Have you consulted any other individual/organization for any assistance?

☐ / If Yes, which company/ agency?

\_\_\_\_\_

Please specify the type of assistance sought

Yes, see attached certificate of previously liquidated projects with other government agencies.

☐ If No, why not?

#### Organizational Structure

- See attached LGU. Profile

#### 4. Enterprise's plan for the next 5 years?

Sustainable water supply of safe drinking water in the barangay of Maniwaya.

Productive members of the community

Next 10 years?

To further promote the water desalination technology in other island barangays in the region of MIMAROPA and eventually in the whole country.

#### 5. Current agreements and alliances undertaken

NONE

## BENCHMARK INFORMATION

### ■ Production and Supply Chain

#### ➤ Raw Material

Raw Material	Source	Unit Cost (₱)	Volume Used/Year
Seawater	Maniwaya is an Island surrounded by salt/seawater. The seawater will be used as raw material to produce potable water using desalination technology.		

#### ➤ Production

Product	Volume of Production/Year	Unit Cost of Production (₱)	Annual Cost of Production (₱)
NONE			

#### ➤ Existing Functional Production Equipment

Type of Equipment	Specifications	Capacity	No. of Units	Year Acquired
NONE				

#### ➤ Production Problems and Concerns

Need to have a source of potable water that can supply the community.

Need to ensure the safety of the community from waterborne diseases.

Need to improve economic activity in the barangay.

#### ➤ Production Waste Management System

The target production area will have a proper drainage for the wastewater.

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Possible utilization of wastewater thru utilizing it into fertilizer for coconut.

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➤ Production Plan

The Sangguniang Barangay of Maniwaya will hire 1 or 2 workers at 8 hrs. operation to

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handle the production.

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➤ Plant Lay-Out

- *No Existing Production Area*

➤ Process Flow

- No Existing process flow

➤ Inventory System

None

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➤ Maintenance Program

No existing equipment to be maintained. However, the proposed technology (desalination) will be regularly maintained according to the supplier's preventative maintenance and calibration schedule.

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➤ cGMP/HACCP Activities

None

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➤ Supplies/Purchasing System

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No existing supplies/materials to be purchased

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▪ **Marketing**

➤ Marketing Plan

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No existing marketing

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➤ Market Outlets and Number

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NONE

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➤ Promotional Strategies

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No existing promotional strategies

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➤ Market Competitors

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Most of the constituents (95% or 1,494) of Brgy. Maniwaya is dependent on purified water coming from the mainland which costs ₱ 55.00 per container (20 liter cap.). Other households without the capacity to buy purified water are relying on the shallow well (tapsing) as their source of drinking water. At present about 75 containers are being transported to the island per day, and this costs about ₱ 4,125.00.

The existing water station that supplies the potable drinking water to Brgy. Maniwaya is Aqua Don Water Refilling Station from Brgy. Alobo, Sta. Cruz and the Paredes Water Refilling Station from Brgy. Buyabod, Sta. Cruz both from the mainland.

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➤ Packaging



○ Nutrition Evaluation	N/A
○ Bar Code	N/A
○ Product Label	N/A
○ Expiry Date	N/A

▪ **Finance**

➤ Cash Flow or other related documents

The Sangguniang Barangay of Maniwaya has its barangay treasurer that could handle the cash flow and other related documents for the target project.

➤ Source(s) of capital/credit

The Sangguniang Barangay of Maniwaya depends on IRA, revenues, tax fees and charges, and other savings as the main source of their capital.

➤ Accounting System

The accounting division handles the financials of the Sangguniang Barangay of Maniwaya. A separate account will be provided to record all the transactions of the project/enterprise and have revolving funds to ensure continuous operations of the project.

▪ **Human Resources**

➤ Hiring and Criteria

Sangguniang Barangay of Maniwaya follows the Civil Service Commission (CSC) rules for hiring their employees.

➤ Incentives to Employees

Sangguniang Barangay of Maniwaya provides incentives to their Sangguniang Barangay Members.

➤ Training and Development

Water desalination equipment operators will be trained by the supplier for technical aspect including minor repair and maintenance, and PSTO Marinduque for Food safety.

➤ Safety Measures Practiced

Workers will be trained for Safety Measures Procedures

➤ Other Employee Welfare

None

▪ Other Concerns

Prepared by:

  
**ANALIZA C. ROMASANTA**

Printed Name and Signature of  
Owner/Chair/Representative

Date

Validated by:

  
**BERNARDO T. CARINGAL**

Printed Name and Signature of  
PSTD/Cluster Manager

Date