



SAFETI

SAFE AQUA FARMING FOR ECONOMIC AND TRADE IMPROVEMENT BANGLADESH

JANUARY 2017– SEPTEMBER 2021



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INTRODUCTION

Aquaculture plays a central role in nutrition and livelihood for over 12 million people in Bangladesh. Bangladesh has been very successful in the expansion of freshwater aquaculture with an average growth rate of 10.3 percent per annum for the period 2000-2015, and now has an annual production of over 2.06 million tons of aquaculture products. This is one of the Government of Bangladesh's great accomplishments. During the same period, the production of shrimp, (mainly the black tiger shrimp *Penaeus monodon* known as *bagda* in Bangla) and prawn (mainly the giant freshwater prawn *Macrobrachium rosenbergii* known locally as *golda*), was reported to have achieved a growth rate of 6.5%. However, pond productivity in Bangladesh remains low in world terms - at just 378 kg/ha.yr for shrimp and 711 kg/ha.yr for prawns. Moreover, annual exports over the last 15 years have remained little changed at a level of around 50,000 mt.

Bangladesh has the potential to be a major global producer and exporter of shrimp and prawn. The country has brackish water pond resources in excess of 275,000 ha, and vast areas of ponds, rice fields and natural water bodies suitable for the supplementary production of freshwater prawn. It benefits from favorable climatic, soil and salinity conditions that would allow for two or more shrimp and/or prawn crops per year. The aim of the SAFETI project is to support Bangladesh efforts to achieve this potential.

The USDA supported project is funded primarily through the sale (monetization) in Bangladesh of agricultural commodities donated by the Government of the United States, under the Food for Progress Act, to an estimated total value of US\$ 16.5 million.

VISION

SAFETI's vision is that by 2021, the project will have supported efforts to significantly increase farmed shrimp and prawn productivity and national exports and production; an increase in the income of all value chain participants— particularly farmers but also input suppliers and others, and an improvement in the quality of exported shrimp and prawn.

Linked to these primary targets will be the use of improved technologies, inputs (seed and feed) better disease management, support for a strengthened government regulatory framework, an uptake of good post-harvest handling practices, better access to finance for farmers, improved economic efficiency along the value chains and more effective sector associations.





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SAFETI'S KEY OBJECTIVES

- ◆ Increase agricultural productivity by improving production and management of hatcheries and farms in the shrimp and prawn value chains to contribute to both improved incomes, food quality and safety, as well as to improve livelihoods and environmental sustainability in the Bangladesh prawn and shrimp industry.
- ◆ Expand trade of agricultural products by improving handling and sanitary controls, reducing unnecessary layers in the value chain, promoting extension services, and building the capacity of associations and government trade promotion bureaus associated with shrimp and prawn industries.

KEY FACTS

Project Duration: January 2017 - September 2021
Donor: United States Department of Agriculture (USDA)

Project Partners:

- Bangladesh Shrimp and Fish Foundation (BSFF)
- Community Development Centre (CODEC)
- Thengamara Mohila Sabuj Sangha (TMSS)
- Auburn University
- World Food Logistics Organization/Global Cold Chain Alliance (WFLO/GCCA)

Project Beneficiaries: 27,750 direct; 438,750 indirect
Project Area: Southwest and Southeast Bangladesh

PROJECT COMPONENTS

The main project effort is initially directed at three principal activities:

Activity 1: Inputs: Develop agro-dealers and/or other input suppliers

Working with shrimp and prawn seed producers, and feed manufacturers and dealers, to improve the quality and availability of these key inputs.

Activity 2: Financial Services: Facilitate agricultural lending

Working with private and government banks, local finance groups and NGOs to develop appropriate lending programs for shrimp and prawn farmers, to enable them to finance adoption of project-promoted improved inputs, practices, and technologies.

Activity 3: Training: Improved agricultural production technologies

Working with farmers to support them in adopting improved farming technologies that will increase their production and income.

In support of these three key actions will be eight further activities, providing capacity development and training to government and private sector stakeholders, and strengthening marketing aspects and trade associations

Activity 4: Capacity Building: Government Institutions

Activity 5: Capacity Building: Promote improved policy and regulatory framework

Activity 6: Training & Facilitation: Sanitary and phytosanitary standards

Activity 7: Training: Post-harvest Handling

Activity 8: Infrastructure: Post-harvest Handling and Storage

Activity 9: Training: Improved Marketing and Branding

Activity 10: Market Access: Facilitate Buyer-Seller Relationships

Activity 11: Capacity Building: Trade Associations



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CONTACT DETAILS

SAFETI Project, House # 3B (Apt 2C), Road # 49, Gulshan 2, Dhaka 1212, Bangladesh
 Phone & Fax : +88-02-9853376; Email: wi.safeti@winrock.org

www.winrock.org