

Terms of Reference

Technical assistance to conduct a study on the possibility of making fertilizer from Sargassum seaweed

Location:	Grenada
Type of Contract:	
Starting Date:	
Languages Required:	English
Duration of Initial Contract:	
Expected duration of Contract:	3 Months
Submission Deadline:	October 11 th 2022

Background

According to the Caribbean Regional Fisheries Mechanism, Sargassum influxes disrupt fishing operations through gear entanglement and damage, impeding fishing and other vessels at sea. As a result, reducing catches of key fisheries species, such as flying fish and adult dolphinfish. Affecting the availability and distribution of coastal and pelagic fisheries resources; and disrupting coastal fishing communities and tourism activities.

The Sargassum phenomenon is believed to be driven by several factors, including climate change and increased sea surface temperature, change in regional winds and ocean current patterns, increased supply of Saharan dust, and nutrients from rivers, sewage, and nitrogen-based fertilizers.

This Consultancy will address the negative impacts of the sargassum influx while taking advantage of the various positive opportunities it presents with particular emphasis on the possibility of fertilizer production. The research should highlight the causes, drivers, impacts, uses and the existing policy and legal framework surrounding sargassum management in Grenada. The goal is to provide a framework for Grenada to effectively manage the sargassum influxes.

Objectives of the Assignment

The main objective of the consultancy is to explore possible causes and assess the impacts of sargassum while recommending relevant opportunities. To conduct thoroughly research on Grenada sargassum issue and how the influxes are affecting Grenada and the fisheries sector.

Scope of Work

The Consultant is primarily responsible for providing technical framework, review recommendation policy, and develop a program implementation framework support sargassum mitigation project. The research

should show the causes, drivers, impacts, uses and the existing policy and legal framework surrounding sargassum management in Grenada. Through this research, the consultant will;

- Desk review of existing legislation and programs.
- Identify heavily affected areas throughout Grenada.
- Develop time and frequency matrix of extreme blossoms and accumulation of Sargassum,
- Estimate the quantity of accumulation, and elements associated with it, such as the species of fish and types of debris.
- A review of the history and scope of the impacts (both positive and negative) will be conducted, and the extent of financial losses quantified.
- Will recommend mitigations, countermeasures to be adopted by the national governments, regional organizations, research institutions, and other development partners and donors.
- The study will suggest actions and scope of support that possible donor may provide to help the Grenada address the problem.
- The consultant shall draft two concept notes of the recommendations for adoption
- Consult with major stakeholders to determine the gaps and findings accordingly.

Competencies

Core Competencies:

- Ability to make new and useful ideas work.
- Ability to improve performance and satisfaction.
- Ability to listen, adapt, persuade and transform.
- Ability to get things done.

Functional Competencies:

- Ability to provide guidance on climate change adaptation especially as it relates to livelihoods, early warning systems, and coastal risk management.
- Ability to guide the design and implementation of multi-sectoral and sectoral programmes and projects at different scales, and to work with multiple stakeholders across a wide range of disciplines.
- Knowledge of environment issues, concept and principles and the ability to apply to strategic and/or practical situations.
- Knowledge of climate change adaptation concepts, principles and policies and ability to apply to strategic and/or practical situations.
- Knowledge of economics concepts, principles and policies and ability to apply to strategic and/or practical situations.
- Knowledge of development planning processes and the ability to apply to strategic and/or practical situations.
- Knowledge of project development and management.
- Develop programmes through a process.
- Ability to identify and organize programmes and projects to implement solutions and generate resources.
- Ability to manage programmes and projects with a strategy aimed at improved performance and

demonstrable results.

Secondary Competencies:

- Ability to efficiently handle and share information and knowledge.
- Ability to plan, organize, motivate, and control resources, procedures and protocols to achieve specific goals.
- Knowledge of methodologies, tools, systems and apply practical experience in planning, development, monitoring, evaluation and reporting.

Qualifications

Interested candidates should have at least the following qualifications:

- Master's degree or higher in Environmental Agricultural science, Environmental studies, Development Economics, Project management and development, Business administration with a specialization in environment and development, or other closely related field.
- Relevant training in agriculture, nature resources management or environmental sciences
- At least 5 years of experience working on projects related to agricultural value chain development, or integrated coastal management
- Knowledge of programs of key institutions and organizations working in seaweed sector
- Good English speaking and writing skills
- Demonstrable research skills such as data collection analytics, statistics, and or survey design.

Minimum General Experience 10 Years

Minimum Specific Experience (relevant to assignment) 5 Years

Language:

- Excellent knowledge of the English language, with exceptional writing, presentation and communication skills.

Duration of Assignment

The duration of the assignment is expected to be **40 working days over a period of 3 months** from contract signature date.

Application

Interested candidates should submit an EOI, together with a technical proposal and financial proposal information on a cover letter which describes why you are the most suitable person or company to take this assignment. Information on your relevant experience and achievements, and two recommendations should also be included.

The deadline for the submission of proposal is on or before **October 11th, 2022**.

For queries regarding the Procurement documents and submission, email: brianbonaparte25@gmail.com or cpu@gov.gd

EOI's should be addressed as PDF files to:

Attention: Mr. Brian Bonaparte

Project Officer

Department of Economic & Technical Corporation

Ministry of Finance, Carenage St. Georges

Email: brianbonaparte25@gmail.com