



## **GOVERNMENT OF GRENADA**

### **MINISTRY OF FINANCE, ECONOMIC DEVELOPMENT, PHYSICAL DEVELOPMENT, PUBLIC UTILITIES & ENERGY**

#### **CLIMATE SMART AGRICULTURE & RURAL ENTERPRISE PROGRAMME (SAEP)**

#### **CONSULTANCY SERVICES FOR DESIGN AND CONSTRUCTION SUPERVISION OF CLIMATE SMART AGRICULTURAL INFRASTRUCTURE – IRRIGATION SPECIALIST**

#### **REQUEST FOR EXPRESSIONS OF INTEREST**

The Government of Grenada (GOGR) has received financing from the Caribbean Development Bank (CDB) in an amount equivalent to **US\$5 Million**, towards the cost of the Climate Smart Agriculture and Rural Enterprise Programme and intends to apply a portion of the proceeds of this financing to eligible payments under a contract for which this invitation is issued. Payments by CDB will be made only at the request of GOGR and upon approval by CDB, and will be subject in all respects to the terms and conditions of the Financing Agreement. The Financing Agreement prohibits withdrawal from the financing account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of CDB, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than GOGR shall derive any rights from the Financing Agreement or have any claim to the proceeds of the Financing.

The Rural Development Unit (RDU), the Executing Agency, now wishes to procure **Consultancy Services for Design and Construction Supervision of Climate Smart Agricultural Infrastructure – Irrigation Specialist** as indicated below:

The objective of the consultancy is to provide Design and Supervision Services (DSC) for the irrigation infrastructure sub-component of SAEP. Consulting firms will be required to utilize and incorporate data generated by CIAT AGRIS program for Grenada; advise on scope and adequacy of sub-project interventions, provide draft and final designs, provide engineering estimates, prepare Bidding Documents, and assist GOGR, through the PEU, in managing the procurement of the contractor(s) for the associated works. Firms will also be required to provide Supervision Services during the construction period.

The proposed sub-projects consist of:

#### **Sub-Project: Irrigation Systems (Grenada)**

Gravity fed irrigation systems are to be constructed to serve multiple farming communities across mainland Grenada. Surface water and rainwater harvesting will be the primary sources of water. The water capture and storage systems are to be located upstream. The irrigation design concept is required to be a

conventional drip irrigation system with water supply to fields via underground mains and sub-main pipelines.

The feasibility of utilizing intermediate pump stations, outfitted with pumps powered by renewable energy, must also be examined. The design must be driven by /account for irrigation water requirements based on cropping pattern, capacity to expand, and the frequency and duration of irrigation.

The following areas, based on the outputs of the CIAT AGRIS and prioritized by the MOAL, were selected:

- i. La Poterie, St. Andrew
- ii. Conference, St. Andrew
- iii. Chambord, St. Patrick
- iv. Hope Vale, St. George
- v. La Sagesse, St. David

#### **Sub-Project: Rehabilitation of Limlair Pond (Limalair, Carriacou)**

This pond is utilized primarily as drinking source of water for small ruminants. In its present state, the pond is heavily silted, unsecured and banks are exposed to further erosion due to overgrazing by animals.

The proposed works include, but are not limited to, the desilting of the pond, establishment of animal friendly perimeter fencing, revegetation of the banks, construction of silt traps and rehabilitation of a well linked to pond. The proposed interventions should take into consideration environmental best practices/nature-based solutions and should be animal friendly. The vegetation to be replanted on the banks should be endemic to the State of Grenada and one not readily eaten by ruminants but has good soil binding properties. Provisions should also be made for the construction of drinking troughs to accommodate both large and small ruminants.

#### **Sub-Project: Rehabilitation of Belair Pond (Belair, Carriacou)**

This pond is utilized primarily as drinking source of water for small ruminants. However, it also acts as a source of water for domestic uses. In its present state, the pond is overrun with vegetation along some sections of the bank and mostly dry.

The proposed works include, but are not limited to, the cleaning the pond, reinstatement of pond lining, establishment of animal friendly perimeter fencing, revegetation of the banks, construction of silt traps, reestablishment of culverts and roadside drainage, and the rehabilitation of well linked to pond. The proposed interventions should take into the consideration environmental best practices/nature-based solutions and should be animal friendly. The vegetation to be replanted on the banks should be endemic to the State of Grenada and one not readily eaten by ruminants but has good soil binding properties.

### **Sub-Project: Rehabilitation of the Dumfries Well (Dumfries, Carriacou)**

This well is used as a primary drinking source of water by farmers for their large ruminants. During extended dry spells, the well becomes a source of water for irrigation for near by farmers. In its current state, the exposed external walls of the well is crumbling and there are signs of dilapidation to the inner portion.

The proposed works entails the cleaning of the well of all organic and inorganic material, the rehabilitation of its walls, the provision of a secure covering and an automated pump system powered by renewable energy. Provisions should also be made for the construction of drinking troughs to accommodate both large and small ruminants, as well as a security fencing.

### **Sub-Project: Rehabilitation of the Dumfries Cistern (Dumfries, Carriacou)**

The cistern is located on the hills of Dumfries overlooking the farming areas. It's primarily source of replenishment is through rainwater. The cistern collects rainwater via a large concrete platform that's integrated into the cistern. Water is collected on the surface of this platform and is conveyed to the tank through inlets. Farmers rely on the use of buckets or submersible pumps to access water from it. The opening to the tank is not secured and this poses a health risk.

The proposed works will see the cleaning and replastering of the tank's internal walls as well as the cleaning and replastering of the collection platform. In addition to this, a minimum extra storage of 6,000 gallons (via the use of plastic water tanks) and an overhead covering to act as a rainwater harvesting collection surface is to be incorporated. The provision of a secure covering to the tank, perimeter fencing, and an automated pump system powered by renewable energy are also to be included.

The duration of the assignment is expected to be for a period of approximately sixteen (16) months commencing February 2023. RDU now invites interested eligible consulting firms or joint ventures to submit Expressions of Interest for the provision of these consultancy services.

Firms or Joint Ventures (JV) shall be eligible to participate if:

- (a) In the case of a body corporate, it is legally incorporated or otherwise organized in an eligible country, has its principal place of business in an eligible country and is more than fifty percent beneficially owned by citizen(s) and/ or bona fide resident(s) of eligible country(ies) or by a body(ies) corporate meeting these requirements;
- (b) In the case of unincorporated firms, the beneficial owners are citizens or bona fide residents of an eligible country; and
- (c) In all cases, the firm or JV has no arrangement and undertakes not to make any arrangements, whereby any substantial part of the net profits or other tangible benefits of the contract will accrue or be paid to a person not a citizen or bona fide resident of an eligible country.

Eligible countries are member countries of CDB.

The attention of interested Consultants is drawn to paragraph 1.9 of CDB's Guidelines for the Selection and Engagement of Consultants (2011), setting forth CDB's policy on conflict of interest.

In the assessment of submissions, consideration will be given to technical competence, qualifications and experience, local and regional experience on similar assignments, financial capability and existing commitments.

All information must be submitted in English. One electronic copy or hard copy of the Expressions of Interest must be received at the first address below no later than **4:00 p.m. local time on Monday October 31, 2022** and a second electronic copy simultaneously to CDB by email at the second address below. Envelopes containing hard copies shall be labelled or email submission's subject line shall state **"Expression of Interest – Consultancy Services for Design and Construction Supervision of Climate Smart Agricultural Infrastructure – Irrigation Specialist"** and the envelope or the email body must state the name and address of the applicant. The Expression of Interest will be deemed to have been received at the time that it is received. The burden of proving receipt of e-mails will be on the applicant and will not be met solely by a read receipt or sent items report generated by the applicant's computer.

The selection method for the award of the consultancy shall be Quality and Cost Based Selection (QCBS). Therefore, following the assessment of submissions, a shortlist of not less than three and not more than six applicants will be provided with full terms of reference and invited to submit technical and financial proposals to undertake the assignment.

GOCR reserves the right to accept or reject late applications or to cancel the present invitation partially or in its entirety. It will not be bound to assign any reason for not selecting any applicant and will not defray any costs incurred by any applicant in the preparation and submission of Expressions of Interest.

Further information may be obtained from the first address below between 8:00 a.m. and 4:00 p.m. local time Monday to Friday.

<b>Address 1:</b>  Programme Manager Climate Smart Agriculture & Rural Enterprise Programme GCNA Complex Kirani James Blvd <b>GRENADA</b> Tel: (+1 473) 442-0105 Email: saep@saep.gov.gd	<b>Address 2:</b>  The Procurement Officer Caribbean Development Bank P.O. Box 408 Wildley, St. Michael <b>BARBADOS</b> Tel: (+1 246) 539-1600 Email: procurement@caribank.org
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