

**BUILDING RESILIENCE FOR ADAPTATION TO CLIMATE CHANGE AND CLIMATE
VARIABILITY IN AGRICULTURE (BRACCVAS)**

AGRO-PARK DEVELOPMENT MANAGER

TERMS OF REFERENCE

1. BACKGROUND

1.01 The Government of Saint Lucia (GOSL) has received financing from the Caribbean Development Bank (CDB) in an amount equivalent to USD9,858,570 towards the cost for the Building Resilience for Adaptation to Climate Change and Climate Variability in Agriculture in Saint Lucia project. The objective of the Project is to build resilience in Saint Lucia's agriculture sector for livelihoods security through enhanced adaptive capacities for Climate Change and Climate Variability. The project design responds directly to the need to build adaptive capacities of agro-ecosystems and livelihoods given the projections of significant decreases in rainfall, more frequent and intense hydro-meteorological events, including droughts as reported in the country's Third National Communication (TNC) to the United Nations Framework Convention on Climate Change (UNFCCC). The Project will contribute positively to the strategic objectives of Saint Lucia's Sectoral Adaptation Strategy and Action Plan for the Agriculture Sector (Agriculture SASAP) 2018-2028. It is also well aligned with the TNC recommendations for climate adaptation measures to enhance resilience in agriculture and with the proposals under the National Agriculture Policy Sectoral Adaptation Strategy and Action Plan (2018).

1.02 The Project is also responsive to Saint Lucia's Nationally Determined Contributions (NDCs) to address food security, community and national level interventions in water resource conservation and management. Gender equality will be mainstreamed throughout the Project to ensure gender equity is embedded in project interventions. An estimated 12,000 farmers and their families are expected to be direct beneficiaries of the project.

2. INSTITUTIONAL ARRANGEMENTS

2.01 Under the Operational and Technical supervision of the Project Manager, the Agro-Park Development Manager as part of the Project Management Unit (PMU), will be responsible for executing activities under Component 2- The establishment of two (2) Agro-parks.

3. SCOPE OF SERVICES

3.01 Under the technical and operational supervision of the Project Manager of the Project "Building Resilience for Adaptation to Climate Change and Climate Variability in Agriculture in Saint Lucia", the individual will carry out the following tasks:

- (a) Familiarise himself/herself with the Project Document, particularly Component 2 as well as the sites selected for the establishment of the two green Agro-parks.
- (b) Review the Work Plan for development of the Agro-Parks and complete the rehabilitation of the buildings at Roseau.

Roseau – Region 7

- (c) Prepare a detailed site plan of the total production areas for crops, livestock and the

aquaculture ponds, taking into consideration space for parking, internal access, and the building and outdoor facilities for production and utilisation of soil organic material on the site at Roseau. This plan must also take into consideration the installation of six aquaponics with cooling fans, three Rainwater Harvesting System (RWHS) from rooftop runoff for the covered areas and five RWHS and drip irrigation in open field production as described in the projects document.

- (d) Coordinate with the Ministry of Infrastructure and agree on a timetable and the arrangements for the rehabilitation of the WINBAN Building at Roseau, as well as the building at the site of the second Agro-park in Region 4, using the final building plans prepared by the Ministry.
- (e) Coordinate with the Project Management Team and the Ministry of Infrastructure on land drainage to be undertaken at Roseau as described in the project document.
- (f) In collaboration with Project Manager/Coordinator and the Head in Agriculture Region 7, agree on the selection of an Extension Officer from the Department of Extension and Advisory Services (DEAS) to be assigned to the production area activities including land drainage and land preparation for farming at Roseau.
- (g) With the support of the Extension Officer assigned, conduct an inventory of farmers already on the site and select additional beneficiaries for the production area, keeping in mind the provisions for the youth of the YAEP (aquaculture and crops), and the focus on leafy vegetables, sweet potatoes and vine fruit for the crop subsector in open field and in aquaponics systems, and on goats for livestock for improved productivity from land-use and livelihood security of the beneficiaries.
- (h) Arrange through the Project Management Unit (PMU) the procurement of the RWHS storage tanks and drip irrigation infrastructure, the solarised aquaponics systems and the lining for aquaculture ponds for Youth Agriculture Entrepreneurship Project in a timely manner, also taking into consideration other support equipment such as timers, tension meters, filters and solar pumps as described in the project document.
- (i) Participate in the selection of the Manager of the green agro-processing facility and review list for local procurement of solar energy equipment for the facility.
- (j) Provide oversight on the activities of the agro-processing facility and receive the monthly reports on the training and production activities of the facility, and of the beneficiaries of the facility according to the Terms of Reference of the Manager.

Region 4

- (k) In collaboration with the Project Manager and the Head in Agriculture Region 4, agree on the selection of a Senior Extension Officer from the DEAS to be assigned to the production area activities at the Agro-park in Region 2.
- (l) Prepare a detailed site plan for the Agro-park including the building, areas for outdoor facilities for compost production and other soil building material as for the first agro-park and as detailed in the Project Document. The site plan must include internal access roads and interpretation stop points to accommodate farm tours and stop points for interpretation.

- (m) Provide oversight on the conduct of an inventory and needs assessments of adaptive capacity building for farmers already on the site, and guide selection of additional beneficiaries focusing on women, youth and vulnerable, and marginalised farmers in the area for improved productivity on land-use and improved livelihood security of the beneficiaries.
- (n) Prepare an attractive and efficient layout for the production area to accommodate ten aquaponics systems with cooling fans and rooftop RWHS, and ten hectares of open field production focusing on climate adaptation practices in leafy vegetables, tomatoes, sweet potatoes, and vine fruits, tree crops and an area for livestock (goats) and beekeeping.
- (o) Arrange through the PMU for the timely delivery of ten aquaponics systems, four RWHS systems with five RWHS systems drip irrigation equipment over an estimated ten hectares of open field production and additional RWHS for livestock. Note other support equipment such as timers, tension meters, filters and solar pumps as described in the project document.
- (p) Review the entire work plan for the management of both production sites and adjust as necessary, including production planning for coordinated marketing to the major local buyers.
- (q) Assist the beneficiaries to establish marketing contracts in the domestic markets through invitations to the sites to observe the operations and to promote the importance of climate resilience in agriculture.

3.02 In addition, the individual will:

- (a) Work closely with the Department of Agriculture, Fisheries, Food Security and Rural Development on the regularisation of Crown land leases to the beneficiaries on the respective farm lots that are on Crown lands.
- (b) Serve on the Project Management Committee and as a member of the Project Management Team, attend all monthly meetings and be prepared to report on the progress and challenges of establishing the production areas and the collaboration with the Knowledge Management Component, particularly for production data collection.
- (c) Prepare quarterly and six-monthly reports for the Project Manager on capacity building and on practical demonstrations undertaken on the production areas.
- (d) Receive monthly reports prepared by the two Extension Officers including Reports of monthly meetings with beneficiaries.
- (e) Prepare a final Report on lessons learnt to enhance the capacity building programme of the Knowledge Management and the CCILLC in building resilience in agriculture in Saint Lucia.
- (f) Prepare an exit strategy for the continuity of the two production areas of the Agro-park to be managed under a single producer cooperative post project.

4. QUALIFICATIONS AND EXPERIENCE

4.01 The Agro-park Development Manager should have:

- (a) A Bachelor's degree in the Agricultural Sciences, Agricultural Engineering, Agribusiness Management or Agricultural Extension or a Bachelor's degree closely related to the primary area of Qualification.
- (b) At least five years' experience in managing and working within an agricultural operation or farm.
- (c) At least five years' experience in apply traditional knowledge in farming systems and work with small or resource poor farmers are required.
- (d) At least five years' experience in agricultural extension and communication is essential.
- (e) Good communication skills, both orally and in writing, including fluency in written and spoken English.
- (f) Strong background in project management with at least three years' experience.
- (g) Sound problem solving and analytical skills.
- (h) Good time management and organising skills.
- (i) The candidate must have a valid driver's license and a reliable motor vehicle.

5. DURATION

5.01 The duration of the assignment is 24 consecutive months with the possibility of an extension based on performance.