AKENTEN APPIAH-MENKA UNIVERSITY OF SKILLS TRAINING AND ENTREPRENEURIAL DEVELOPMENT

FACULTY OF AGRICULTURE EDUCATION, ASANTE MAMPONG CAMPUS

CALL FOR TECHNICAL SERVICES TO CONSTRUCT ZERO ENERGY COOLING CHAMBER (ZECC) AND COOLTBOT STRUCTURE SUITABLE FOR FRUIT AND VEGETABLE STORAGE

2nd January 2024

1.0 Introduction

The Faculty of Agriculture Education, AAMUSTED- Asante Mampong issues this **call for technical services** for the construction of a Zero Energy Cooling Chamber and a Coolbot structure for post-harvest handling on a project with funding from the Ghana Skills Development Funds (GSDF).

The general objective for this call is to recruit a contractor to construct ZECC and Coolbot structures which will be used as a demonstration storage room to store fruits and vegetables at AAMUSTED-Mampong and its environs. More details on the call for the project context are provided in the Terms of Reference accompanying this call. Interested consultancy/construction firms should download the call for technical services from the AAMUSTED website through the link xxx

- The deadline for submission of the construction quotation is on 9th January 2024.
- Review and selection of qualified construction firm will be on 12th January 2024
- Developing and signing of ToR will be on the 14th of January 2024 (Only for Selected firm/s)
- Commencement of work starts on 15th January 2024
- Completion of work will be slated for 29th February 2024

2.0 Technical and Financial Proposals

The proposals should include the submission of technical and financial content by the guidelines below.

- ❖ Technical proposal

2.1 Capability Statement:

A narrative not exceeding two (2) pages that justified the Construction firm's understanding of the assignment as well as the capability to perform the scope of work. This shall include a list detailing similar assignments performed.

2.2 Approach and Methodology:

Please explain your understanding of the objectives of the assignment as outlined in the Terms of Reference (ToRs), the technical approach, and the methodology you would adopt for implementing the tasks. Please do not repeat/copy the TORs.

2.3 Financial Proposal

The financial proposal must be detailed as the key activity of the assignment. All fees shall be in **Ghana Cedis (GHS).**

2.4 References:

References from clients who worked within the past five years on activities similar to this scope of work. Include the contact information: company or organisation, name, phone number and email.

Appendix 1

TERMS OF REFERENCE TO CONSTRUCT ZERO ENERGY COOLING CHAMBER (ZECC) AND COOLBOT TECHNOLOGY STRUCTURE SUITABLE FOR FRUIT AND VEGETABLE STORAGE.

BACKGROUND INFORMATION:

The Faculty of Agriculture Education, AAMUSTED -Mampong seeks the services of a construction firm with extensive experience in constructing Zero Energy Cooling Chambers (ZECC) and Coolbot structure Models Suitable for Fruit and Vegetable Storage.

The Ghana Skills Development Fund (GSDF) project is envisaged to focus on Strengthening the capacity of AAMUSTED-Mampong to reduce the occurrence of post-harvest losses in the fruit and vegetable value chain and equip as a training centre to impact the knowledge of cost-effective technology for post-harvest handling among smallholder farmers in and around its environs.

NATURE AND SCOPE:

Throughout the period between harvest and consumption, maintaining optimum temperature which often requires cooling is the most important factor in preserving fruit and vegetable qualities. Limitations in adhering to this occurrence have led to wares losses along the fruit and vegetable supply chain. To circumvent this challenge, a technology that involves the use of indigenous materials and a blend of modern technology with less cost to control the phenomenon is recommended. The ZECC and Coolbot structure will be used for fruit and vegetable storage and training purposes hence the need for this call for technical services.

Thus, the project coordination team is seeking an experienced construction firm to construct Zero Energy Cooling Chamber (ZECC) and a structure to host a Coolbot device suitable for Fruit and Vegetable Storage. This construction firm will fully build a modern ZECC and Coolbot structure based on construction firms' experience in executing similar activities.

OBJECTIVES OF THE ASSIGNMENT

This call aims to recruit a construction firm to construct a ZECC and Coolbot structure for controlling post-harvest losses in fruit and vegetables. Specifically, the assignment seeks among other things to;

- Construct ZECC and Coolbot technology structures for post-harvest handling of fruit and vegetables.
- Submit a capacity statement and financial proposal on the assignment.

DELIVERABLES:

1. Construction of modern ZECC and Coolbot structures
2. Capacity statement on a similar assignment
3. Financial proposal on the ZECC and Coolbot structure submitted.

ETHICS AND RISKS

1. Conflict of interest or potential conflict of interest should be disclosed.

DURATION

The contract would be for;

Expected start date: 15th January 2024

Expected end date: 29th February 2024

Submission: Responses to this call should be sent to: principalm@aamusted.edu.gh and Cc to: agyengo80@gmail.com & sarfobenjamin79@yahoo.com

QUALIFICATIONS AND EXPERIENCE REQUIRED

- A Legally registered Ghanaian firm, with valid commencement of work certificate in Ghana.
- Demonstrated knowledge of ZECC and Coolbot structure construction