



LED LIECHTENSTEIN
DEVELOPMENT
SERVICE



SUSTAINABLE AGRICULTURE TANZANIA
SOLUTIONS FOR A BETTER FUTURE

TERMS OF REFERENCE(TOR)

FOR CONSTRUCTION OF GREENHOUSES

FEBRUARY, 2023

SUSTAINABLE AGRICULTURE TANZANIA(SAT)
P.O. Box 6369, Tushikamane center, Morogoro-Tanzania

1.0 Terms of References

Sustainable Agriculture Tanzania (SAT) is seeking to hire a contractor who will construct 13 greenhouses and purchase of equipment/tools for Backyard gardens to 13 agricultural training institutes. These Terms of Reference (ToR) serve as a request for proposals from contractor interested in construction of greenhouses. Qualifying firms are hereby invited to submit their Expression of Interest (EOI) for the assignment as per activities description.

2.0 About Sustainable Agriculture Tanzania (SAT)

SAT is a local organization that was registered in June 2011 and complying with the NGOs Act 2002 as amended in 2019 with registration number 00NGO/R/833. SAT's vision is that "the majority of farmers are using acknowledged agroecological methods to improve their livelihoods, conserve the environment, and reduce pressure on natural resources". SAT collaborates with other stakeholders including farmers, Ministry of Agriculture (MoA), universities, organizations, companies and government extension officers to be involved in activities that are carried out by SAT. This holistic approach establishes an Innovation Platform, where dissemination, research, application and marketing and networking build the main pillars. SAT headquarters are in Morogoro with branch offices in 4 regions and operates all over Tanzania. SAT runs its operations through a number of donor-funded projects and the CISTI project is one of them.

3.0 About the CISTI project

SAT in collaboration with the Division of Training and Research (DTR) of the Ministry of Agriculture and with the support of Liechtenstein Development Services (LED) started implementing the CISTI project in 2019 with the major aim of supporting the production of competent technical personnel who work effectively to meet the demand of Tanzania's agriculture sector, increasing climate resilience and strengthening livelihoods of smallholder farmers, thus alleviating poverty and food insecurity for sustainable development. The CISTI project puts more emphasis on improvement of institutional capacity of ATIs and making sure that the necessary learning and teaching facilities and tools are in place including establishment of demonstration gardens which is a package of (a greenhouse of 250M², an open garden of 250M² and a set of backyard gardens technologies on a 250M² land) fitted with drip irrigation systems to 13 ATIs.

4.0 Expected activities and timelines

4.1 Expected activities

Progressively, activities of the assignment will include:

- i. Conduct site survey and provide design of each site in the inception report
- ii. Procurement of a complete set of greenhouses equipment enough to construct 13 greenhouses of 250M² including its irrigation kits and water tanks
- iii. Procurement of equipment for backyard gardens enough for open fields of 250M² for 13 sites as per prepared list (See a separate list of the required equipment).
- iv. Procurement of irrigation kits for an open field garden of 250M² to outfit 6 Ridges and the drip lines per ridge should be 3 for 13 sites
- v. Transportation and supply of purchased equipment to 13 designated sites
- vi. Clearance of the construction sites
- vii. Construction of greenhouses in 13 sites
- viii. Construction of water tank towers in 13 sites

- ix. Installation of the irrigation systems in green houses
- x. Installation of irrigation systems on open fields
- xi. Making of ridges/beds for both greenhouses and open fields
- xii. Training Institute Officials and Students (Demo gardens committees) on management of greenhouses and another garden equipment

4.2 Projected Timeline

- **Submission of proposals:** By 10th March 2023
- **Selection, due diligence and notification of the winner:** 17-20th March 2023
- **Signing of the contract and assignment commencement:** 23rd March 2023
- **Expected completion, commissioning and handover:** 31st June 2023

5.0 Specifications of green houses, Equipment and Services

The following specifications of quality should be complied by the applying consulting firm.

- a. Greenhouses should bear a gutter height of ranging from 2.5-3.0 meters depending on sites.
- b. All Greenhouses should be fitted with first grade nets on all the sites with a polythene wrapping on their top roofs in order to control water during rain seasons
- c. All the Greenhouses should have changing rooms with doors that are lockable
- d. The polls to be used in the construction of greenhouses should be aluminum-coted (galvanized)
- e. Water tanks should not be below the capacity of 3000lts and should come from a good durable brand such as SIMTANK or KIBOKO
- f. The water tank towers can be made of bricks with concrete but must be strong enough to carry a weight above 7000lts (**not less than height of 3M**)
- g. The drip kits to be purchased should be a complete set with filters, gate valve, connectors and the main pipe.

6.0 Locations of Sites

The sites are located in different regions and districts in Tanzania Mainland as follows:

- 1 site is located in Dodoma City
- 1 site are located in Mbalizi, Mbeya
- 2 sites are located in Kilolo and Ilula, Iringa region
- 2 sites are located in Ilala and Kigamboni, Dar es Salaam region
- 2 sites are located in Muleba and Karagwe, Kagera Region
- 1 site is located in Songea, Ruvuma Region
- 1 site is located in Sumbawanga, Rukwa Region
- 1 site is located in Pwani Region
- 1 site is located in Himo, Kilimanjaro Region and
- 1 site is located in Wanging'ombe, Njombe Region

7.0 Required Services

The consultancy firm is expected to offer the following services

1. Identification of suitable equipment suppliers/vendors
2. Procurement of specified equipment
3. Construction of greenhouses
4. Installation of irrigation systems
5. Technical advice on management of the facilities i.e., hygiene, accessibility, risks management systems, hazardous materials storage and handling, regulations and standards, security, ways to enhance sustainability etc.
6. Technical backstopping

8.0 Prerequisites for the Consultancy Firm

- At least 3 references of clients to whom the contractor offered similar services.
- At least 5 years hands-on experience in greenhouses construction.
- Thorough knowledge and experience field layout and landscaping.
- First-hand knowledge on installation of irrigation systems.

9.0 Time Frame, Terms, Conditions and Logistics

It is expected that, the commencement of the assignment will be on the week of 23rd March 2023 and will continue until 31st June 2023.

Coordination and assistance for the assignment will be provided by SAT management. The winning contractor will use their own working equipment. Any special requirements may be made available upon request and availability.

9.1 Proposed Modality of Payment

Upon signing of the contract, a first installment of 10% of the contract value will be released before the start of the assignment, a second instalment of 50% of the contract value will be released after the approval of the inception report with the design of each site; with subsequent releases of 30%, taking place after the construction in 8 sites are completed and submission of work progress report. The last installment of 10% will be released after completion of the entire assignment and handing over the approved final construction report.

9.2 Procedures for submission of EOI

Interested innovative and qualified contractors are invited to submit their applications, which include: (1) a cover letter of expression of interest, (2) résumé/CV, (3) a brief proposal explaining how to carry out the task, including availability (4) References of clients you offered service to and (5) Financial budget detailing the costs for undertaking the assignment. Please send your application electronically to consultancy@kilimo.org Review of proposals starts on 13rd April to 17th March 2023. Award giving of the assignment to a suitable contractor will be on the 23rd March 2023. Deadline for submission will be on 10th March 2023 at 1700hrs of the East African

Time. Late EOIs and portions of EOI, shall not be accepted for evaluation irrespective of the circumstances.

NOTE

We are open to receive questions for clarifications if any through consultancy@kilimo.org until 24th February 2023 after which no further questions will be received. No in-person or phone follow up is accepted.