INVITATION TO TENDER

GREEN HOUSE TECHNOLOGY

Our Reference: ZWE1109-09

HARARE, ZIMBABWE, 10 MARCH 2020

Introduction
Welthungerhilfe was established in 1962. It is today one of the largest private organizations working in development cooperation and humanitarian aid in Germany. Non-profit-seeking, non-partisan and non-denominational.

Donations from the population at large fund our work in Africa, Asia, and Latin America. In addition, Welthungerhilfe receives grants from the Federal German Government, the European Union, USAID/OFDA, the United Nations and many others worldwide recognized donors.

Under the 11th European Development Fund, the European Union and the Government of Zimbabwe (GoZ) formulated the Zimbabwe Agricultural Growth Programme (ZAGP) Under this ZAGP, we have the IPVC led by COSPE, supported by the following consortium partners: Cultivating New Frontiers in Agriculture (CNFA), Livestock and Meat Advisory Council (LMAC), Sustainable Agriculture Trust (SAT) and Welthungerhilfe (WHH).

IPVC is calling for tenders for the implementation of a green technology study that was carried out along the poultry value chain. The innovative green technologies are focused on improving the environmental performance of the poultry value chain for improved efficiency and centred around climate control of the poultry house and sustainable cold chain management of chicken and egg production, biogas systems, solar energy and other renewable energy heating system as alternative to the current inefficient systems.

Lot 1: Biogas system

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Tubular biogas plant system</td>
<td>Design a tubular biogas system using locally available material. The biogas digester should provide enough gas to heat and light a 50 square meter poultry house. i.e. 500 birds. The biogas system will be designed on site in Gweru, Mutare, Harare Masvingo and Bulawayo supply and install the system on the allocated site and provide training and backup maintenance for the system</td>
</tr>
</tbody>
</table>
### Tubular biogas system for abattoir

Design, supply and install a tubular biogas system using locally available material. The biogas digester should provide enough gas to heat and light a poultry slaughter facility. Location of the abattoir will be advised provide training on system use and management and backup technical maintenance of the system.

### Fixed doom biogas systems

- **1**
  - **Description**: Tubular biogas system for abattoir
  - **Details**: Design, supply and install a tubular biogas system using locally available material. The biogas digester should provide enough gas to heat and light a poultry slaughter facility. Location of the abattoir will be advised provide training on system use and management and backup technical maintenance of the system.

- **2**
  - **Description**: Fixed doom biogas systems
  - **Quantity**: 10,000 birds
  - **Details**: Design, supply and install an Onsight fixed doom biogas system suitable for 3000 birds using locally available resources. This system will be installed in Harare, Masvingo and Mutare.

- **3**
  - **Description**: Fixed doom biogas systems
  - **Quantity**: 3000 birds
  - **Details**: Design, supply and install a doom biogas system for a poultry slaughterhouse using locally available material: location will be advised.

- **21**
  - **Description**: Floating biogas system
  - **Quantity**: 1000 birds
  - **Details**: Design, supply and fit floating biogas system using locally available materials for birds heating and lighting up to 500 birds and a slaughter facility. The systems should be easily constructed and low maintenance. Provide training on management and use of the system and provide backup technical services after installation: system will be installed in Harare, Mutare, Bulawayo, Gweru and Masvingo.

### Notes on Lot 1:
Biogas plants will be designed with the supervision of IPVC consultants and preferably contracted with locally available material at the lowest cost possible. Design should be simple enough to be replicated by local people.

### Lot 2: Rocket stoves

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Rocket stoves</td>
<td>Design fabricate and supply rocket stoves with capacity to heat a poultry house with capacity for 200 birds. Rocket stoves must be designed from locally available low-cost material and require little maintenance. Rocket stoves should be as environmentally friendly as possible i.e. maximizing heat production from minimal fuel material. The use of renewable fuel product is recommended to be installed in Masvingo, Gweru and Bulawayo.</td>
</tr>
</tbody>
</table>
Design, fabricate, and supply rocket stoves with capacity to heat a poultry house with capacity for 500 birds. Rocket stoves must be designed from locally available low-cost material and require little maintenance. Rocket stoves should be as environmentally friendly as possible i.e. maximizing heat production from minimal fuel material. The use of renewable fuel product is recommended to be installed in Masvingo, Gweru and Bulawayo.

Design, fabricate, and supply rocket stoves with capacity to heat a poultry house with capacity for 3000 birds. Rocket stoves must be designed from locally available low-cost material and require little maintenance. Rocket stoves should be as environmentally friendly as possible i.e. maximizing heat production from minimal fuel material. The use of renewable fuel product is recommended to be installed in Masvingo, Gweru and Bulawayo.

Design, fabricate, and supply rocket stoves with capacity to heat a poultry house with capacity for 10000 birds. Rocket stoves must be designed from locally available low-cost material and require little maintenance. Rocket stoves should be as environmentally friendly as possible i.e. maximizing heat production from minimal fuel material. The use of renewable fuel product is recommended to be installed in Bulawayo and Mutare.

Lot 3: Cooling systems

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Evaporative Chamber (roof cooling system)</td>
<td>Design, supply and fit a cooling system for a poultry house with capacity for 500 birds. System should be low maintenance and preferably fabricated from locally available materials. System to be installed in Harare and Mutare</td>
</tr>
<tr>
<td>Lot</td>
<td>Description</td>
<td>Specifications</td>
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<tr>
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</tr>
<tr>
<td>8</td>
<td>Evaporative Chamber (roof cooling system)</td>
<td>Design, supply and fit a cooling system for a poultry house with the capacity for 3000 birds. System should be low maintenance and preferably fabricated from locally available materials. System to be installed in Harare and Mutare.</td>
</tr>
<tr>
<td>20</td>
<td>Cellulose/texture evaporating panels for cooling</td>
<td>Design, supply, and fit cooling system for a poultry house for 200 birds. System should be low maintenance and preferably fabricated from locally available materials. System to be installed in Harare and Mutare.</td>
</tr>
<tr>
<td>13</td>
<td>Cellulose/texture evaporating panels for cooling</td>
<td>Design, supply, and fit cooling system for a poultry house for 500 birds. System should be low maintenance and preferably fabricated from locally available materials. System to be installed in Harare and Mutare.</td>
</tr>
<tr>
<td>10</td>
<td>Cellulose/texture evaporating panels for cooling</td>
<td>Design, supply, and fit cooling system for a poultry house for 3000 birds. System should be low maintenance and preferably fabricated from locally available materials. System to be installed in Harare and Mutare.</td>
</tr>
<tr>
<td>16</td>
<td>Cellulose/texture evaporating panels for cooling</td>
<td>Design, supply, and fit cooling system for a poultry house for 10,000 birds. System should be low maintenance and preferably fabricated from locally available materials where possible. System to be installed in Harare and Mutare.</td>
</tr>
</tbody>
</table>

Lot 4: Photo voltaic and thermal panel systems

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Photovoltaic Panel</td>
<td>Design, supply and fit a photovoltaic system to support a 10,000 birds heating, lighting and water requirements. The system should be easily replicable by other farmers. The contractor should provide technical back up for the management and maintenance of the system. System should be as low cost as possible and be installed in Harare, Bulawayo and Mutare.</td>
</tr>
<tr>
<td>6</td>
<td>Thermal Panel</td>
<td>Design, supply and fit a thermal panel system to support a 500 birds heating, lighting and</td>
</tr>
</tbody>
</table>
water requirements. The system should be easily replicable by other farmers. The contractor should provide technical back up for the management and maintenance of the system. System should be as low cost as possible and be installed in Gweru and Masvingo.

<table>
<thead>
<tr>
<th>Lot 5: Water supply pumping systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quantity</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>7</td>
</tr>
</tbody>
</table>

Lot 6: Milling equipment

<table>
<thead>
<tr>
<th><strong>Quantity</strong></th>
<th><strong>Description</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Solar feed mills</td>
<td>Supply solar feed mill with capacity of 2t-10t per week feed plant const of a grinding mill and a mixer.</td>
</tr>
<tr>
<td>4</td>
<td>Saw dust pelleting machine</td>
<td>Saw dust pelleting machine with a capacity of 1 ton per week. Solar operated is preferred.</td>
</tr>
</tbody>
</table>

Lot 7: Solar equipment
<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Solar freezers</td>
<td>Supply solar freezers with capacity to hold 5t frozen meat</td>
</tr>
<tr>
<td>30</td>
<td>Solar incubators</td>
<td>Supply solar incubators with capacity to hatch 500 eggs.</td>
</tr>
<tr>
<td>20</td>
<td>Environment monitoring machines</td>
<td>Supply temperature, humidity and carbon dioxide loggers and monitors</td>
</tr>
</tbody>
</table>

**Important Dates:**

The newspaper publication date(s): 16 March 2020

The intended date of posting of tender invitation through the official WHH web portal: 13 March 2020

The deadline for the Submission of Bid: Monday 6 April 2020 at 1200 hours CAT

The opening of the technical and financial bids will be done by the IPVC Consortium members on the 6th of April 2020 at 1400 hours at Welthungerhilfe Boardroom.

The deadline for submission of inquiries/questions:

There will be a meeting on the 27th of March 2020 @ 1000 hours to 1200 hours at Welthungerhilfe boardroom to answer inquiries and or questions. Please send your details if you will be attending the meeting to: procurement.hre.zwe@welthungerhilfe.de

The signing of the Contract with the selected company and communication to unsuccessful bidders should be provided not later than the 18 April 2020.

1. **Tender overview**

   This is an open invitation to tender for the above-mentioned supply contract. The following documents constitute the tender dossier:

   A. Tender invitation (this document)

   B. Annexes:

   I: Pre-Qualification document

   II: Terms and Conditions for International Procurement of Goods and Services

   III: Code of conduct

2. **General remarks and special condition**

   - The offered commodities must be according to our specification, sound, fair and in merchantable quality.

   - Preferably, all the required commodities/goods must be ex-stock available.
- Fast delivery of required commodities/goods is expected.
- Part shipments without the authorization of the Contracting Authority are not allowed.
- The stock location and the origin of commodities/goods must be included in the offer.

3. Specification / Quantity
The contract for the green house technology will be divided in lots and WHH has the right to award to different suppliers.

4. Marking/labelling
The individual items require no marking.

5. Packing and picking
The packaging of the concerned equipment must be appropriate to the nature (size, weight) of the items and comply with international standards. The packaging should avoid transport damages and protect equipment / goods from bad weather conditions. Costs of picking and packaging must be included in the unit price of each item.

6. Participation
The tendering is open on equal terms to natural and legal persons (participating either individually or in a grouping (consortium) of tenderers), and international organizations established in any state that are granted work permits and registration certification to trade, work and perform in Zimbabwe.

7. Samples
As in accordance with article 17 of this document an independent quality and quantity inspection will be undertaken the provision of samples is not required for this competition.

8. Anti-Terrorism Policy
The Contracting Authority renounces all forms of terrorism and will never knowingly support, tolerate or encourage terrorism or the activities of those who embrace terrorism or money laundering. Consistent with numerous United Nations Security Council resolutions, including S/RES/1269(1999), S/RES 1368(2001) and S/RES1373(2001) and the European Union, the Contracting Authority is firmly committed to the international fight against terrorism and against the financing of terrorism. It is the policy of the Contracting Authority to seek to ensure that none of its and its donor funds are used, directly or indirectly, to provide support to individuals or entities associated with terrorism or money laundering. Therefore, the Contracting Authority will match their suppliers and Service providers against the Sanctions lists on a regular basis. By submitting an offer, suppliers and service providers agree to this.

9. The language of bid
The tender, all correspondence, and documents related to the tender exchanged by the bidder and the Contracting Authority must be written in the language of the procedure, which is English.

10. Contradiction or errors in the bid documents

If the bidder notices contradictions or errors in the bid document or specifications that are unclear, the bidder must clarify the issue by making queries before the set deadline for submission of inquiries/questions.

11. Alteration or withdrawal of bids

Bidders may alter or withdraw their tenders by written notification through the EU-supply portal prior to the deadline for submission of the bid document. No bid may be altered after this deadline. Withdrawals must be unconditional and will end all participation in the tender procedure.

No bid may be withdrawn in the interval between the deadline for submission and bid opening of bids and the expiry of the tender validity period. Any correction of information must be explicit and is to be confirmed through the EU-Supply in email/messaging form.

12. Errors in Calculations

Bids submitted by interested bidders will be checked for any arithmetical errors in computation and summation. Errors will be corrected by the evaluation committee as follows:

- Where there is a discrepancy between amounts in figures and in words, the amount in words will be the considered amounts.
- Where there is a discrepancy between a unit price and the total amount derived from the multiplication of the unit price and the quantity, the unit price as quoted will be the price considered.
- Amounts corrected in this way will be binding on the bidder. If the bidder does not accept them, its bid will be rejected.

13. Delivery conditions

All items are to be supplied as indicated in Article 4, and DDP (Incoterms 2010) preferably by road freight to Harare, Gweru, Masvingo, Bulawayo and Mutare.

All transport details (Origin, City of Loading, Routing) should be preferably indicated within the offer.

The transportation cost must be stated separately in the offer.

The delivery will have to be announced with prior notice!

14. Delivery schedule

The delivery of the mentioned goods is expected at latest on the 31 September 2020.

The supplier should indicate in its offer how many days he might need to deliver the goods after the reception of the purchase order for the delivery.

15. Prices
All prices in your quotation must be indicated in United States Dollars only (USD) currency only. Quotations stated in other currencies will not be considered in the awarding process.

Cost for transportation (freight charges) must be stated separately.

16. Inspection, acceptance, and rejection
The Contractor shall provide and maintain an inspection, quality, and process control system acceptable to WHH covering the Goods under the Contract. Records of all inspection work by Contractor shall be kept complete and available to WHH during the performance of the Contract and for twenty-four (24) months after completion, if not otherwise specified in the Contract. Copies of all material certifications and test results will be submitted to WHH upon request.

WHH reserves the right to inspect and test through its representatives all Goods ordered under the Contract at any time and place. The Contractor, without additional charge, shall provide all facilities for inspection and all necessary support to ensure that inspections can be performed in such a manner as not to unduly delay delivery of the Goods.

WHH may reject any Goods supplied under the Contract that do not meet the requirements of the Contract or apply a penalty for Goods not fully conforming to such requirements as per Articles 17 and 18 of the WHH terms and conditions for international of goods and service. Rejection of the Goods shall be made as soon as practicable after delivery of the Goods to their destination.

Neither any inspection carried out by representatives of WHH nor any acceptance of the Goods or part thereof by WHH nor any omission by WHH to inspect, accept and/or reject the Goods or part thereof shall release Contractor from its responsibility for such Goods that are not in accordance with the requirements of the Contract, including warranties.

17. Ordering Party
Welthungerhilfe Country Office
Block 8, Arundel Office Park
5 Norfolk Road
Harare
Zimbabwe

18. Consignee
Welthungerhilfe Project Office
No 7 Strand Street
Kopje
Gweru
Zimbabwe
19. Documents

The following documents must be submitted before the set tender closing:

- Written quotation on letter headed paper, duly stamped and signed
- Pre-qualification of suppliers
- Copy of VAT and registration certificates
- Company profile
- Reference list
- Signed copy of the Code of Conduct

20. Selection Criteria

Welthungerhilfe will prioritize the quotations as follows:

**Tenderers not providing the requested quotation included of exportation prices duly signed and stamped with the other documentation as listed in the article “19. Documents” as requested will be by automatism excluded from this competition.**

- 50% delivery delay/delivery schedule
- 50% price
- The evaluation of the quality of the ordered material will be conditioned with the performance of a positive quantitative and qualitative resulted preloading independent inspection (please refer to the article 9 of this document for further precisions).

The assigned points per listed criteria will be calculated in reference to the obtained proportion from the best offers criteria’s results in comparison to the offered value per criteria multiplied by 10 in order to obtain a grading scale per criteria in between 1 to 10 points per ranking criteria.

Expressed in formulas, hereby how the scorings are to be obtained in a transparent and accountable way:

**Delivery delay scoring per evaluated offer:**

Best offered delivery delay among all considered offers

\[
DDP \text{ (delivery delay points) } = \frac{\text{Best offered delivery delay among all considered offers}}{\text{The offered delivery delay of the evaluated offer}} \times 10.
\]

**Pricing scoring per evaluated offer:**

Best offered price among all considered offers

\[
PP \text{ (pricing points) } = \frac{\text{Best offered price among all considered offers}}{\text{The offered price of the evaluated offer}} \times 10.
\]
The final scoring per evaluated offer will be obtained as per application of the following formula:
Final score = (DDP*50%) + (PP*50%)
The highest obtained scoring per evaluated offer is supposed to win the competition!

21. Payment and supporting documents
(1) Payment of submitted invoices by WHH does not imply acceptance of Goods or Services or any related work under the Contract. Unless otherwise specified in the Contract, the following provisions will apply concerning payment and supporting documents.

(2) WHH shall generally make payment through banking channels to Contractor within 30 days upon receipt of the following documents and any other documents/reports that may be specified in the Contract, to be sent directly to Welthungerhilfe, Block 8, Arundel Office Park, Mt Pleasant, Harare.

(a) Original Invoice on a company letterheaded paper
(b) Delivery Note signed and stamped
(c) Completed Report (for consultancy services)
(d) Copy of a valid tax clearance (failure we deduct a 10% withholding tax)

(3) In case of installation of Goods by the Contractor the payment terms will negotiated case by case.

(4) WHH will make payment to the bank account indicated by Contractor in its invoice, providing that the bank account is in the name of Contractor and located in its country of residence. Any request for payment to a bank account other than that of Contractor or to a bank other than one located in Contractor’s country of residence must be specified and justified by Contractor at the time of making its offer.

(5) WHH may withhold payment, in whole or in part, without liability and without prejudice to any other of its rights or remedies under the Contract, should Contractor fail to provide the documents required by this Article 26 of the Welthungerhilfe Terms and Conditions for International Procurement of Goods and Services or as otherwise specified in the Contract or in the event that Contractor fails to perform or comply with its obligations under the Contract, including without limitation the warranties for the Goods set forth in Article 10 of the said terms and conditions.

22. LIABILITY, PENALTY FOR DELAY, NONCONFORMING GOODS OR SERVICES, SHORTFALLS
(1) The Contractor shall be liable according to statutory legal provisions, especially for its own negligent breach of duty and negligent breach of duty by its legal representatives or vicarious agents.

(2) The Contractor recognizes that the Contract concerns delivery of Goods and/or provision of Services where “time is of the essence” and that failure to deliver the Goods and/or provide the Services by the scheduled date(s) or in accordance with the quantities and/or quality specified in the Contract may cause irreparable harm to WHH.

(3) Therefore, if the Contractor culpably defaults in remedying a defect or making a delivery - fully
and timely-, WHH shall have the right to request lump-sum damages due to default for the defective resp. late delivery without further proof of damage, of 0.2 % of the net remuneration agreed for the defective resp. late delivery and/or service for each period of default of 1 working day (Monday to Saturday) but at most 5 % of the agreed net remuneration for the defective resp. late delivery and/or service. The Contractor shall, however, have the opportunity to prove to WHH that WHH has incurred no damage or materially lesser damage.

(4) The remedy in Article 18 (3) of the Welthungerhilfe terms and conditions for international procurement of goods and services is without prejudice to any other right or remedy that may be available to WHH, including cancellation, for Contractor’s non-performance or breach of any term or condition of the Contract.

23. Performance bond and bank guaranty

If a performance bond or bank guarantee is specifically required by the terms of the Contract, then such bond or guarantee, in the amount specified in the Contract, shall be issued by Contractor through a primary bank of Contractor’s choice which must be a first-class international accepted bank that must cooperate with Commerzbank (www.commerzbank.com) in Germany. The bond or guarantee will be issued on forms either furnished by or acceptable to WHH. Failure to deliver an acceptable bond or guarantee within two weeks from the date of Contractor’s acceptance of the Purchase Order, unless otherwise specified in the Contract, shall be deemed a “default” by Contractor and the provisions of Article 17 of the Welthungerhilfe terms and conditions for international procurement of goods and services will apply.

24. Terms and Conditions of Contract / Purchase Order

The contract may not be awarded to candidates or tenderers which, during the procurement procedure:

(1) are subject to a conflict of interests;
(2) are guilty of misrepresentation in supplying the information required by the Contracting Authority as a condition of participation in the contract procedure or fail to supply this information.

The granted contract/purchase order for the procurement of the stipulated goods is supposed to involve the application of the “Welthungerhilfe Terms and Conditions for International Procurement of Goods and Services.” which is provided as the Annex II of this tender invitation. Unless otherwise stipulated in this document or purchase contract, the terms of this Annex II shall apply in full.

25. Offer Conditions

- The offer must be valid 3 months minimum.
- Quotations must specify all details according to the tender text.
- Quotations must be submitted in a sealed envelope marked

Tender ZWE1109-09 IPVC
Welthungerhilfe
Block 8, Arundel Office Park
5 Norfolk Road
Mt Pleasant
HARARE
ZIMBABWE

Closing date for submission of tenders is 06 April 2020 @ 1200 hours CAT.
In general, all the inquiries about the concerned competition can be submitted through email to procurement.hre.zwe@welthungerhilfe.de

26. Appeals
Tenderers believing that they have been harmed by an error or irregularity during the award process may file a complaint at audit@welthungerhilfe.de

This tender invitation remains valid without being signed!