

TERMS OF REFERENCE
for

International individual consultant
to elaborate the requirements for procurement of design, supply and install of animal by-products processing facility

A. BACKGROUND

Moldova has received an Additional Financing (AF) from the International Development Association in the amount of US\$15.0 million for the Moldova Agriculture Competitiveness Project (MAC-P). The AF will be used for scaling up project activities under Component 1: *Enhancing Food Safety Management* aimed at strengthening human, institutional, and technical capacities of the country's food safety and quality management systems and ensuring regulatory and system compliance with sanitary and phytosanitary (SPS) standards on premium food export markets (primarily European Union [EU] and EU-aligned markets). To this end, the AF will finance a series of activities and investments aiming to establish a comprehensive, EU-compliant system for the management of animal by-products (ABPs) unintended for human consumption.

Following the recent adoption of the ABP Law in 2019, the Government has reached an agreement with the World Bank over a project to establish a comprehensive, EU-compliant system for the management of ABPs unintended for human consumption. A feasibility study for the construction of the Processing Unit for the Animal By-Products (ABPs) not intended for human consumption (UPSOA) has been developed with the support of the International Finance Corporation and officially presented in June 2022

The detailed report on the technical solution for ABP processing of cat. 1 and 2 in one line and cat. 3 in a separate line is under final stages of development. Additionally, the team of experts has provided an analysis for the construction of a Biogas Unit to generate alternative sources of heat and electricity to ensure the operability and sustainability of UPSOA. The raw material used for the operation of the biogas unit would be biodegradable waste and eventually cat. 3 by-products.

B. RATIONALE

Based on the results of the Feasibility Study (FS) and the option selected by the Government, it is planned to initiate the investment process of construction of ABP processing facility in the central part of the country (Criuleni district, at 40 km distance from the capital). FS has provided for description of equipment to be installed as well as for the general layout of the site, including flows of incoming and processed ABPs.

Taking into account the specifics of the procurement process for the processing facility, the Government has decided to follow design & build method - selection of single point of responsibility contractor, who will elaborate detailed design and will erect the facility, including responsibility to meet certain efficiency and production parameters.

It is envisaged that an international individual consultant will be hired to assist the Government with the elaboration of Requirements (based on FS as mentioned above) to become part of bidding documents for procurement of Design, Supply, and Installation of Plants as per the World Bank Standard Procurement Document (January 2021).

C. OBJECTIVES OF THE CONSULTANCY

The objective of the consultancy is to elaborate Section VII, Employer's Requirements for the bidding documents for procurement of Design, Supply, and Installation of Plants as per the World Bank Standard Procurement Document (January 2021), based on information from FS as will be provided to the Consultant.

D. SPECIFIC TASKS

1. Analyze the Feasibility Study, including all aspects related to the ABPs processing facility and visit the planned construction site.
2. Elaborate recommendations on possible technical solutions / technologies which could be used for processing of ABPs.
3. Based on information contained in FS as well as on the recommendations elaborated as per above, advise on applicable bidding strategy (one stage or two stages).
4. Based on information contained in FS as well as on the recommendations elaborated as per above, elaborate Section VII, Employer's Requirements for the bidding documents, including but not limited to:
 - a) General description;
 - b) General requirements, including standards and codes;
 - c) Technical requirements including list of equipment to be installed and its characteristics;
 - d) Functional requirements, including performance parameters;
 - e) General layout and flows;
 - f) ESHS requirements;
 - g) Basic drawings;
 - h) Key personnel and equipment
 - i) Evaluation factors (in addition to price) based on functional requirements as per sub-para d) above
 - j) Qualification requirements
5. Assist in obtaining World Bank No Objection (providing responses to all requests for clarifications from the Bank and rectifying all objections made).
6. Assist at pre-bidding stage in providing responses to the requests for clarifications from the bidders.
7. Assist in evaluation of bids in regard to technical bids.
8. Assist in elaboration of the Terms of Reference for supervision services for the above-mentioned design, supply and install contract, including but not limited to:
 - a) Providing specific tasks related to this particular contract, in addition to standard list of tasks for supervision;
 - b) Providing well-defined list of deliverables including detailed content;
 - c) Providing qualification requirements including key and non-key staff.

E. EXPECTED DELIVERABLES

1. Analysis of FS and recommendations on possible technical solutions / technologies
2. Section VII, Employer's Requirements for the bidding documents.
3. Terms of reference for supervision services for design, supply and install contract.
4. Consultant's opinion and recommendation on technical bids

F. TIMING AND INPUT

The Consultant is planned to start its activity in October 2022 and will provide the services during period of approx. 12 months. Total time input is envisaged as 30 man/days, including 2 missions to Moldova not exceeding 5 days each. The Consultant will be supported by local engineer, hired for this specific purpose.

G. REPORTING

The Consultant will be responsible for submission of the following reports:

- 1.** Inception report – will include the analysis of FS and recommendations on possible technical solutions / technologies, as well as bidding strategy (as per D.1 – 3 above).
- 2.** Section VII, Employer's Requirements for the bidding documents (as per D. 4 above).
- 3.** Terms of reference for supervision services for design, supply and install contract (as per D. 8 above)
- 4.** Final report, including brief description of the services provided, answers to the requests for clarifications from the bidders, and Consultant's opinion and recommendation on technical bids (as per D. 5 – 7 above).

All reports will be submitted in electronic format in English language to CAPMU.

QUALIFICATION REQUIREMENTS

The tasks will be undertaken by an international individual consultant with the following qualifications:

- At least Bachelor's degree in relevant field, Master's or PhD degree would be an advantage;
- At least 15 years of professional experience;
- At least 7 years of experience in ABPs processing facilities;
- Successful experience in at least 1 project of construction of ABP facility (to be confirmed by relevant references).
- Demonstrated experience in elaboration of Requirements for construction of ABP facility;
- Good command of English language is mandatory, knowledge of Romanian and/or Russian would be an advantage.
- Previous experience in Moldova and/or Eastern Europe countries, including Belarus, Ukraine, Georgia, Armenia, Azerbaijan would be an advantage.