



ENERGIE ȘI BIOMASĂ

Resurse energetice alternative pentru Moldova



Pre-proposal conference
Laboratory Equipment for Solid-Biomass Fuel Quality Certification
ITB15/01152
02 November 2015, 11:00
UN House, 131, 31 August 1989 str., Chisinau

Participants	
9 representatives of 8 companies attended the meeting	
UNDP Moldova	
1. Mihai Maciuca	MEBP Procurement and Contract Management Officer
2. Alexandru Ursul	MEBP Project Manager
3. Tudor Dombrovan	Consultant Engineer

Background:

On 27 October 2015 UNDP Moldova issued an Invitation to Bid for the Construction of biomass heating systems in Budai village (district Taraclia) and Taraclia (Lot 1), Leova and Cimislia (Lot 2). The purpose of the Pre-bidding Conference is to clarify some aspects related to the procurement procedures as well as various technical aspects of the requirements

The deadline for submission of bids is 10 November 2015, 11:00 local time. The bids will be opened on 10 November 2015, 12:00, in the presence of bidders who choose to attend the bid opening.

According to the solicitation documents the bidders shall submit their bids for the construction of biomass heating systems in 4 communities of Moldova, split into 2 lots.

A general presentation of the requirements was given with the following aspects being highlighted in particular:

- Contracts shall not be awarded to the lowest priced bids, but to the bids offering the lowest life cycle cost per Lot, comprising the cost of works as well as Present Value of the fuel required for 10 years operation of the heating systems which depends on the burning efficiency of the offered boilers. The contract however will be signed the cost of works alone.
- Bidders have the possibility to apply for one single LOT or for both LOTs, depending on their technical and financial capacity and their readiness to meet the specified deadlines. Contracts will be awarded for full Lots only, and in case a bidder does not provide an offer for even one site of a Lot, its offer shall not be considered eligible for the given Lot.
- The term of the completion of all works by any future contractor is 60 calendar days, regardless of the number of lots awarded to that contractor. As an important milestone, contractors must succeed to finalize all construction works, supply and installation of all equipment within 30 calendar days from Contract signature.
- **BOQs must be presented only in the form of the excel files attached to the bidding documents (Annexes 1-4)** that contain all the formulas for the calculation of total

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offers. Bidders must only fill-in the unit prices in the excel files, all other fields are locked for editing. This measure is meant to streamline the evaluation and comparison of offers thus, any modification or intentional unlocking of BOQs is prohibited. Any attempt to modify the file structure may lead to the rejection of the bid;

- Bidders may fill-in either the Romanian or the English version of the BOQs. If any discrepancy between the two versions of the documents will be observed, or in case any formula inconsistency will be detected, bidders should immediately inform UNDP about the issue and not attempt to individually unlock and modify the files;
- The supplied boilers must be rendering the specified performance parameters using the test fuel specified in Section 3a: Schedule of Requirements and Technical Specifications, Table 2. In particular, the boilers must be operating efficiently on biomass fuel from agricultural wastes, more specifically - cereal straw and sunflower husks. The calorific value of the test fuel shall not exceed 15 MJ per kg;
- The boilers will mainly operate on pellets, however the boilers should be also capable to operate on briquettes as a back-up solution;
- All the offered biomass boilers must be certified in compliance with the EN 303-5:2012 Class 3 requirements;
- If the EN certification was obtained based on a test fuel of a different origin and calorific value than the one specified in the Schedule of Requirements, bidders must provide a written confirmation from the boiler manufacturer certifying the following:
 - The offered boilers are compatible with the specified type of fuel;
 - If using the specified type of fuel the emissions level will not be worse than the EN 303-5:2012 Class3 level;
 - The rated boiler efficiency and output capacity for the given boiler based on the specified test fuel;
- The general warranty period for the works is 3 years. However, all passive components of the boiler shall be covered by 5 years warranty;
- Upon the commissioning of works the contractors will need to engage an independent accredited laboratory to conduct flue gas pollutant emissions measurements and on-site boiler performance test in order to confirm the performance characteristics stated in the bid. In case the boilers will be unable to render the stated performance the contractor may be requested to substitute the boiler or seek for other types of remedies;
- Additionally, boilers shall be equipped with automatic burner cleaning system by mechanical means;

Questions and answers:

Q: Referring to the clause in the BOQs which specifies that in case the bidder offers a boiler with a flue duct diameter that is bigger or smaller the one in the design, it must also offer a chimney that is compatible with the proposed boiler ensuring its optimal operation, and that must be respectively reflected in the price offer - if such a case occurs will it be possible to operate modifications in the design documents?

A: Yes. Design documents can be updated as it may be required.

Q: The Schedule of Requirements specifies that the calorific value of the test fuel shall not exceed 15 MJ per kg. Is there a minimum value?

A: According to project's estimations, the calorific value of the fuel shall fall within the range of 14.5 - 15 MJ per kg of pellets.

Q: In the design documents it is randomly mentioned about the installation of solar collectors for domestic hot water. Could you clarify this aspect?

A: In some sites it was initially planned to install solar collectors thus the design documents were developed accordingly. However later, it was decided that the solar collectors would be installed through a separate competition. The contractors are now required to install only the items specified in the BOQs however, while performing the works they also must consider and

make all necessary arrangements for allowing in the future to connect the solar installation with the existing heating systems.

Answer to queries received by email:

Q: The specifications of some items in the BOQs do not coincide with the specifications in the design documentation, pumps for instance. Which specifications prevail in case of divergences?

A: The specifications in the BOQs prevail. It should be noted that pumps must be conforming to class A in all cases.

Q: No preferred currency is indicated in section 15 of the Data Sheet. Could you please clarify what's the preferred currency of bid?

A: The preferred currency of the bids is United States Dollars (US\$).

Q: In the ATM compartment of the BOQs for Budai (Lot 1, Site 1) and Taraclia (Lot 1, Site 2) is required to supply CO gas analyzers (Газоанализатор (CO) подобный Seitron RGD CO). These are complex devices that require professional skills to operate. Please clarify this requirement.

A: Under this item it is actually required to supply a simple CO detection alarm.