



Moldova Energy and Biomass Project

Request for Letters of Interest

UNDP Moldova invites qualified companies/consortia, with experience in designing, constructing, installing and commissioning of municipal biomass heating systems, and interested to work on design-build based contracts within the implementation of Moldova Energy and Biomass Project described below.

Summary of proposal:

The Moldova Energy and Biomass Project, a 4 year 14.56 million EUR project, funded by the European Union and UNDP and implemented by UNDP aims to contribute to a more secure, competitive and sustainable energy production in the Republic of Moldova through targeted support to the most viable and readily available local source of renewable energy, namely biomass from agricultural wastes.

The project purpose is to significantly increase the use of renewable energy technologies through fuel switching and energy efficiency. It primarily focuses on improving heating comfort level in rural public sector buildings including schools and community centres by using readily available waste straw supplied from local agricultural enterprises. The project will also stimulate local markets for improved household heating, industrial cogeneration, and biomass-based briquetting, as well as raise local capacity in the biomass sector, and promote the benefits of biomass energy and the project.

In the line with this Request for Letters of Interest (LOI), the project aims to identify potential highly qualified contractors which will implement design-build¹ projects in rural areas by installing 130 thermal heating systems primarily burning straw with a capacity totaling about 35 MWth (average installed capacity of approx. 300 kWth), and all necessary incidental works, for the provision of heating for public buildings in rural communities in Moldova.

All interested companies/consortia which will have expressed their interest will be invited for prequalification and evaluated based on a number of pass/fail criteria (including provisions for a local service agent) and other quality factors. Based on the evaluation, a certain number of companies will be identified and short-listed, which will be further invited to submit proposals within a series of limited international competitions for the design and turnkey supply of municipal biomass heating projects.

Specifically short-listed companies/consortia shall provide the following goods/services:

- Elaborate the technical design and all necessary drawings;
- Secure the design approvals and expertise as required by national legislation;
- Coordinate with local communities to ensure that the design meets their needs, and that necessary site preparation work is completed;
- Quality construction works, including all necessary materials and equipment in compliance with performance specifications of the Request for Proposals (RFP)
- Filling in and maintaining project site documentation (certificates, acts, site logbook, etc.)
- Supplying, engineering setup, service testing and putting in operation of straw fired boiler installations and heating systems, in accordance with the project design and national norms and standards;
- Training of boiler operators in new biomass heating technologies;
- Participation in preliminary and final commissioning of completed project;
- Labor security during execution of works, compliance with fire protection, environmental protection standards

¹ Design-build – is a Project Delivery System used in the construction industry. It consists of a procedure to deliver a project where, in contrast to "design-bid-build" (or "design-tender"), the design and construction aspects are contracted by a single entity known as the design-builder or design-build contractor. This system is used to minimize the project risks for the employer and to reduce the delivery schedule by overlapping the design phase and construction phase of a project.

Outputs:

A number of total 130 municipal straw fired heating projects will be implemented, including:

- 130 technical designs developed, coordinated and expertized in accordance with local legislation and project requirements
- 130 straw fired heating boilers acquired/manufactured according to technical and performance specifications
- All necessary construction and engineering works executed in accordance with technical designs and project exigencies;
- 130 straw fired systems installed, successfully put into operation and commissioned according to local legislation.
- Post-sale maintenance service of the equipment ensured;
- A number of boiler operators in each community will be trained to properly manage and maintain the straw-fired heating systems;

Submission details

Interested Companies must provide information stating that they are interested and qualified to perform the services, indicating their experience in similar projects (up to 2 pages) and expressly specifying availability of the local service agent.

The LOI and accompanying documents have to be sent by email to tenders-moldova@undp.org or in hard copy to UNDP Moldova, 131, 31 August 1989 str, Chisinau MD2012, Republic of Moldova, clearly labeled “**MEBP: Request for LOI municipal heating systems**”, by no later than **27 May 2011, 16:30 (Moldova local time)**.

UNDP Moldova will organize on its premises an informational meeting on **13 May 2011 at 16:00**. Representatives of all interested applicants (companies/consortia) are invited to attend. To confirm participation, please send a message to Mihai Maciuca (mihai.maciuca@undp.org) by COB on **12 May 2011**. The Minutes of the meeting shall be published on the UNDP Moldova website (tenders section).

Any additional information may be obtained by sending enquiries in writing by email to Mihai Maciuca (mihai.maciuca@undp.org). Replies to the queries, together with the text of the queries will be posted on the UNDP Moldova website (tenders section), without referencing their source.

Language: LOI, accompanying documents as well as queries for clarifications must be submitted in English, Romanian or Russian languages. Any outgoing information will be communicated in English and/or Romanian.

This Request for LOI does not entail any commitment on the part of UNDP, either financial or otherwise. UNDP reserves the right to accept or reject any or all LOI without incurring any obligation to inform the affected applicant/s of the grounds.