



TERMS OF REFERENCE

- Job title:** National consultant to develop the training program for industrial energy auditors and perform needs assessment of the institutions for training equipment
- Duty station:** Chisinau
- Reference to the:** "Addressing the impacts of energy crisis and initiating solutions toward energy security and addressing energy poverty" (FPI Programme)
- Payment arrangements:** Lump sum contract (payments linked to satisfactory performance and delivery of outputs)
- Contract type:** Individual Contract (IC)
- Contract Duration:** August – December 2022 (the estimated amount of work is 45 w.d.)

1. PROJECT OBJECTIVES AND EXPECTED RESULTS

The overall objective of the Programme is to assist the Government of Moldova to tackle the current energy crisis and energy poverty in addressing prioritized systemic elements in the energy sector to cope with potential future energy crisis.

Specific objectives are to support the Government of Moldova to:

1. put in place the legal and regulatory framework in the energy sector with mainstreamed social and climate considerations in line with the EU requirements;
2. strengthen the capacities of the energy-related actors and enhancing institutional coordination mechanisms to address and avert risks entailed in recent and potential future energy crisis;
3. increased awareness and communication among the population to adopt the best energy saving practices and measures and to encourage the use of renewables;
4. operationalize nation-wide energy programmes and demonstrate solutions to increase energy affordability in residential and public buildings, targeting specifically the most vulnerable and affected groups of population.

2. BACKGROUND

Moldova is part of the EU's European Neighborhood Policy (ENP) and in the Eastern Partnership framework, which aims at strengthening individual and regional relationships between the EU and countries in its neighborhood. Moldova is also part of the Energy Community Treaty since 2010 and has signed the Association Agreement with EU in June 2014, including the DCFTA which entered into force in 2016. As a follow-up, Moldova is required to ensure transposition of the EU *acquis Communautaire*, which underpins the EU energy legislation on electricity, gas, oil, renewables, efficiency and environment. The country is planning to fully synchronize its electricity network with the ENTSO-E to connect to European electricity market.

The energy sector is one of the top priorities for the Government and it is addressed in Government's Plans and several policy documents, laws, and regulations. The most important are the following: the draft National Development Strategy 2030, the National Energy Strategy 2030, Law on energy, Law on electricity, Law on promoting use of energy from renewable sources, Law on natural gas, Law on energy efficiency, Law on the energy performance of buildings, Law on the labelling of products with energy impact, Law on eco-design requirements for energy-related products, etc., as well as a list of secondary legislation, meant necessary to ensure for the implementation of the primary legislation.

In accordance with the existing strategic planning documents, one of main priorities of the Government is to diversify the energy mix with more renewable energy, which is also fully in line with commitments under the EU Clean Energy for all Europeans packages. Achieving this goal will require significant investment in the medium and long term, but also the country's ability to attract and absorb the funds. The development of renewables, such as wind and solar, will also depend on improving the balancing capabilities of the Moldovan power system and its integration with neighboring countries.

Starting with October 2021, Moldova faced significant crisis in the gas sector, which outlined the need to undertake more actions towards improving energy security of the Republic of Moldova, both in the natural gas and electricity sectors.

To enhance security of gas supply, Moldovan authorities are seeking various ways to diversify gas and electricity supply, to strengthen its energy security and enabling a transparent, fully open, and well-functioning energy market.

The acute gas supply crisis in Moldova has also been subject of discussions within the Moldova-EU Association Council meeting on October 28, 2021. The EU and Moldova stressed the importance of resilience against any potential efforts by third parties to use

energy as a geopolitical lever. The Association Council recalled the importance of continued energy market reform to strengthen competition and transparency in this sector. The EU has urged Moldova to ensure that the energy sector reform demonstrates full respect of the Energy Community acquis and is in line with the EU Third Energy Package. The EU side confirmed its support to the objective of Moldova to synchronize its electricity network with the Continental European Network (CEN), an important step towards the integration into the EU energy system and market.

Under these circumstances, the Government of Moldova will be assisted to tackle the current energy crisis and energy poverty and addressing prioritized systemic elements in the energy sector to cope with potential future energy crisis. In partnership with EU, UNDP Moldova will therefore, support the Government of Moldova:

- To tackle the current energy crisis and energy poverty, and addressing prioritized systemic elements in the energy sector to cope with potential future energy crisis.
- To support the Government of Moldova in building its capacities towards strengthening the national energy security, as well as in improving the legal and regulatory framework and operationalizing specific rapid large-scale interventions to tackle energy poverty and support most vulnerable and affected groups of population and businesses.

The Programme duration is envisaged between 2022- 2023 with support from Foreign Policy Instrument (herewith FPI) of EU.

The Project Concept has been approved by FPI of the EU in February 2022, paving the way for development of the full project proposal.

In this context, UNDP Moldova is seeking to recruit one national consultant for the development of the training program for industrial energy auditors and the assessment of the needs of institutions for training equipment.

3. SCOPE OF THE WORK, DUTIES AND RESPONSIBILITIES

Based on the Law 139/2018 on energy efficiency and GD 676/2020 on energy auditors and energy audit, the institutional capacities of the Continuing Education Center of the Technical University on training specialists in the field of energy auditing in the building sector were strengthened. The industrial and transport fields remained uncovered. To this end, the aim is to develop a training program for the energy auditors in industrial sector as well as to assess the needs of training equipment for several educational institutions in the country with an energy profile or similar connotation.

In this regard the UNDP Moldova intends to contract one national consultant qualified and experienced to development of the training program for industrial energy auditors and the assessment of the needs of institutions for training equipment. The National Consultant shall work as a team, based on the methodological approach and of a detailed action plan that shall be developed at the start of the activities, and which shall be agreed with the local public partners and approved by the Programme.

For the current mission, the National Consultant shall be responsible of:

- 1) Development of a training program for energy auditors in the industrial field based on the quality requirements imposed by the Technical University of Moldova;
- 2) When developing the program, the consultant will take into account the following legal aspects:
 - The program will contain at least 30 hours of direct contact on training (legal basis GD 676/2020, section 2, point 20, under point 3),
 - The program will be developed based on the minimum requirements compared to the study programs, such as training / improvement courses for energy auditors (Industry category). Legal basis, the order of the director of the Energy Efficiency Agency no. 04 / AB of January 29, 2021,
 - The program will be coordinated and approved by the Director of the Continuing Education Center of the Technical University and the Director of the Energy Efficiency Agency (legal basis GD 676/2020, point 5, under point 7).
- 3) Coordination of the training program with the international consultant for the training of trainers;
- 4) Assessment of the needs regarding the technical equipment necessary for the trainings (6 targeted institutions), including the final number of direct and indirect beneficiaries who will benefit from technical assistance at the FPI project;
- 5) Assessment of the training needs of teachers / trainers in the energy field (6 targeted institutions);
- 6) Elaboration of technical specifications (market research) with indication of the estimated cost of the equipment and prioritization it;
- 7) Elaboration of the ToR for the procurement of the identified equipment;
- 8) Participating in the evaluation of the offers for the procurement of the equipment necessary for the trainings.

- 9) The following institutions are proposed to be a part of this process:
- 1) Center for Continuing Education of the Technical University of Moldova, (Chisinau) <http://cfceecp.utm.md/>
 - 2) Center of Excellence in Construction (Chisinau) <http://ccc.md/instalator-instalatii-de-incalzire-si-baterii-solare/>
 - 3) Center of Excellence in Energy and Electronics (Chisinau) <https://ceee.md/>
 - 4) Chisinau Technological College (Chisinau) <http://colegiutehlogic.md/masini-si-aparate-electrice-de-uz-casnic/>
 - 5) Soroca Agriculture Technical College <https://ipctasoroca.md/specialty/electromecanica/>
 - 6) Balti Polytechnic College <http://cpbmd.info/>

4. EXPECTED DELIVERABLES AND TENTATIVE TIMEFRAME

The assignment will require the completion of the following tasks:

No.	Deliverables	Tentative timeframe
1	Deliverable 1: Report for assessment of the needs regarding the technical equipment necessary for the trainings (6 targeted institutions) <i>i.e. tasks 4,6,9 (up to 25 working day).</i>	August-September 2022
2.	Deliverable 2: Report for assessment of the training needs of teachers / trainers in the energy field and technology <i>i.e. task 5, 9 (up to 6 working day)</i>	September 2022
3.	Deliverable 3: Elaboration of the draft ToR for the procurement of the technical equipment necessary for the trainings <i>i.e. task 7 (up to 5 working days)</i>	September-October 2022
4	Deliverable 4: Development of a training program for energy auditors in the industrial field <i>i.e. tasks 1,2,3 (up to 5 work day)</i>	October 2022
5	Deliverable 5: Updating and submitting the final report after coordinating it with the beneficiary <i>(up to 2 working days)</i>	October 2022
6	Deliverable 6: Technical evaluation report of tendering documentation for procurement <i>(up to 2 working days) task i.e. 8</i>	October - November 2022

Note: Deliverables and the final timeline can be amended or specified for the purpose of the assignment.

5. INSTITUTIONAL ARRANGEMENTS

This is individual contract. The timeframe for the work is August – December 2022.

The local consultants will be given access to relevant information and data necessary for execution of the tasks under this assignment. The consultant will work in close collaboration with the FPI Programme Manager and Team Leader for Component 2 - for substantive aspects of the assignment.

6. FINANCIAL ARRANGEMENTS

Payments will be disbursed in several instalments, upon submission and approval of deliverables, and certification by UNDP Moldova Programme Specialist/Cluster Lead that the services have been satisfactorily performed.

7. SKILLS AND EXPERIENCE REQUIRED

I. Academic Qualifications:

- University degree in energy, electronic, construction engineering and pedagogical field or other related areas .

II. Experience and knowledge:

- Minimum 5 years of relevant professional experience in the development of training programs in the technical field;
- Proven experience in preparing technical specifications and / or ToRs;
- Proven experience in organizing and leading meetings with a broad range of stakeholders;
- Proven experience in facilitating dialogues in the fields of training and continuous training of specialists in the energy field or with energy connotation;
- Advanced research skills and capacity to produce analyses using quantitative and qualitative data.
- Previous experience in development assistance or related work for a donor organization, development partners, UN Agencies would be an advantage.

- Fluency in written and spoken Romanian, Russian is required for this assignment. Good level of English is required.

The UNDP Moldova is committed to the workforce diversity. Women, persons with disabilities, Roma and other ethnic or religious minorities, persons living with HIV, as well as refugees and other non-citizens legally entitled to work in the Republic of Moldova, are particularly encouraged to apply.

8. PERFORMANCE EVALUATION

Contractors' performance will be evaluated against timeliness, responsibility, initiative, creativity, communication, accuracy, and overall quality of the delivered products.

9. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSALS

Interested local consultants must submit the following documents/information to demonstrate their qualifications:

1. **OFFEROR'S LETTER TO UNDP CONFIRMING INTEREST AND AVAILABILITY FOR THE INDIVIDUAL CONTRACTOR (IC) ASSIGNMENT** ;
2. CV shall include Education/Qualification, Professional Certification, Employment Records /Experience.
3. Proposal, explaining why he/she is most suitable for the assignment, including experience in similar assignments, providing a brief information on above qualifications, and brief methodology on how he/she will approach and conduct the work.

Note: The offer will also include the transport expenses predestined for the visits of the objects identified from point 3 sub point 9).

Important notice:

The applicants who have the statute of Government Official / Public Servant prior to appointment will be asked to submit the following documentation:

- a no-objection letter in respect of the applicant received from the Government, and;
- the applicant is certified in writing by the Government to be on official leave without pay for the entire duration of the Individual Contract.

A retired government official is not considered in this case a government official, and as such, may be contracted.