



INDIVIDUAL CONSULTANT PROCUREMENT NOTICE

Date: **19 August 2022**

Country: Republic of Moldova

Description of the assignment: Consultant to develop the ToR and the working mechanism for the online calculation tool to estimate associated investment opportunities in EE&RES and to compare the energy performances of houses

Project name: “Addressing the impacts of energy crisis and initiating solutions toward energy security and addressing energy poverty” (FPI Programme)

Period of assignment/services: September 2022 – February 2023 (up to 30 working days)

Proposals should be submitted **online by pressing the "Apply Online" button**, no later than **2 September 16:30 (Moldova local time)**.

Requests for **clarification only** must be sent by standard electronic communication to the following e-mail: veronica.herta@undp.org. UNDP will respond by standard electronic mail and will send written copies of the response, including an explanation of the query without identifying the source of inquiry, to all applicants.

1. PROJECT GOAL 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 a number of 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.

Moldova is Part to Energy Community Treaty since 2010. By adopting the Energy Community Treaty, Moldova made legally binding commitments to adopt core EU energy legislation, the so-called "*acquis communautaire*". The Treaty and its *acquis* evolve constantly to incorporate new sectors as well as update or replace older acts. To stay on track with the evolution of European Union law, Articles 24 and 25 of the Treaty allow the adaptation of the *acquis* and implementing of possible amendments. Thus, in November 2021, the first set of ***Clean energy package acts*** were incorporated into the Energy Community *acquis*.

On 18 November 2015, the European Commission adopted a Communication stating that integrated national energy and climate plans, addressing all five key dimensions of the energy union, are crucial tools for the implementation of the Energy Union Strategy and for the development of more strategic energy and climate policy planning.

In November 2018, the Energy Community Ministerial Council adopted the Recommendation 2018/01/EnC-MC, recognizing, that the development of integrated national energy and climate plans by the Contracting Parties would support the attainment of the long-term energy and climate policy objectives, reduce the administrative burden and enhance transparency while promoting investor certainty in the region.

The adoption of Governance Regulation 2018/1999 on 30 November 2021 marked the next step. Adopted and adapted by Decision 2021/14/MC-EnC, the Regulation sets common rules for planning,

reporting and monitoring on energy and climate policies and targets. In particular, the Contracting Parties will be required to submit National Energy and Climate Plans (NECPs).

For details, please refer to the Terms of Reference.

3. SCOPE OF WORK, RESPONSIBILITIES AND DESCRIPTION OF THE PROPOSED ANALYTICAL WORK

UNDP Moldova intends to hire a qualified and experienced national consultant to provide consulting and expertise services to ensure the development of an Energy Efficiency Calculator.

The main objective of this tool is to identify the best energy efficiency solutions for the home consumer. The tool is welcome to be usable both for consumers in the residential sector (houses on land) and those who live in blocks of flats. Therefore, the working mechanism of the computer will be developed to help the consumer get an idea of the measures that can be applied by him in order to reduce the consumption of resources.

The development of the mechanism will take into account best practices and lessons learned from other initiatives to ensure that it complements, facilitates access to and provides adequate information on existing science, technology and innovation platforms, avoiding duplication and increasing synergies.

The tasks before the Consultant were divided into two sections:

Section A. Architecture, functional requirements and user group for the online platform:

- Given the overall objectives of the online platform, who should be the user group of the online platform?
- Given the overall goals of the online platform, what are its key functional requirements?
- Why would target users visit the platform and what added value do they get from using it?
- What existing problems or shortcomings does the platform solve or address for its users?
- Considering industry trends and best practices in information/knowledge/experience sharing via online platforms in general, what are typical platform usage scenarios by different user groups and how could/should would the use cases evolve over time if the platform were to be implemented incrementally?
- How to attract maximum use and participation to the online platform?
- How should the performance of the online platform be evaluated? What are the criteria of being 'successful'?
- Any other important aspects or factors that are not included in the TOR which may enhance the outcome and potential of the online platform.

Section B. Development of the Terms of Reference for online calculation tool.

A company will be selected to develop an online toolkit for energy efficiency and performance assessment calculations for the automatic assessment of energy efficiency opportunities in different sectors at municipal/individual building level.

The tools will work like an energy calculator with a kind of questionnaire to fill in to have results such as identifying inefficient systems, indicating potential energy savings, financial savings and emission reductions achieved by opting for efficient options.

4. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

I. Academic background:

- Advanced degree (Master/equivalent or Ph.D.) in energy, engineering or other related fields is required.

II. Experience and knowledge:

- At least 5 years of proven professional experience in conducting data modelling/studies/assessments and/or quantitative and/or qualitative analysis of data;
- At least 4 years of working experience in the institutional consultancy or in energy related research institutions;
- Practicing the activity of energy auditor in the field of buildings will be considered an advantage.

III. Skills and competencies

- Proven experience in conducting thermal energetic calculations and/or technical-economic calculation of projects in the energy field;
- Proven experience in developing similar studies and methodologies;
- Preferred knowledge in high level index criteria and methodologies for Calculation Platforms
- Strong knowledge of the Moldova's energy related official data;
- Fluency in written and spoken Romanian is required for this assignment. Good level of English and Russian will be an advantage.

Proven commitment to the core values of the United Nations, in particular, respecting differences of culture, gender, religion, ethnicity, nationality, language, age, HIV status, disability, and sexual orientation, or other status.

The United Nations in Moldova is committed to 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.

5. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSALS

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

1. Proposal, explaining why he/she is most suitable for the work, including experience in similar assignments, providing a brief information on above qualifications and methodology on how he/she will approach and conduct the work (if applicable).
2. [**OFFEROR'S LETTER TO UNDP CONFIRMING INTEREST AND AVAILABILITY FOR THE INDIVIDUAL CONTRACTOR \(IC\) ASSIGNMENT**](#)
3. CV with at least three names for a reference check.

6. FINANCIAL PROPOSAL

The financial proposal shall specify a total lump sum amount, and payment terms around specific and measurable (qualitative and quantitative) deliverables (i.e., whether payments fall in installments or upon completion of the entire contract). Payments are based upon output, i.e., upon delivery of the services specified in the TOR. To assist the requesting unit in the comparison of financial proposals, the financial proposal will include a breakdown of this lump sum amount (including fees, taxes, travel costs, accommodation costs, communication, and number of anticipated working days)

Travel

All envisaged travel costs must be included in the financial proposal. This includes all travel to join duty station/repatriation travel. In general, UNDP should not accept travel costs exceeding those of an economy class ticket. Should the IC wish to travel on a higher class he/she should do so using their own resources.

In the case of unforeseeable travel, payment of travel costs including tickets, lodging and terminal expenses should be agreed upon, between the respective business unit and Individual Consultant, prior to travel and will be reimbursed.

7. EVALUATION

Initially, individual consultants will be short-listed based on the following minimum qualification criteria:

- Advanced degree (Master/equivalent or Ph.D.) in energy, engineering or other related fields is required.
- At least 5 years of proven professional experience in conducting data modelling/studies/assessments and/or quantitative and/or qualitative analysis of data;
- At least 4 years of working experience in the institutional consultancy or in energy related research institutions.

The short-listed individual consultants will be further evaluated based on the following methodology:

Cumulative analysis

The award of the contract shall be made to the individual consultant whose offer has been evaluated and determined as:

- a) responsive/compliant/acceptable, and
- b) having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

* Technical Criteria weight – 60% (300 pts)

* Financial Criteria weight – 40% (200 pts)

Only candidates obtaining a minimum of 70% score of the technical evaluation (at least 210 points) would be considered for the Financial Evaluation.

Criteria	Scoring	Maximum Points Obtainable
<u>Technical</u>		
• Advanced degree (Master/equivalent or Ph.D.) in energy, engineering or other related fields is required.	Master degree – 20 pts., Ph.D – 30 pts.	30
• At least 5 years of proven professional experience in conducting data modelling/studies/assessments and/or quantitative and/or qualitative analysis of data;	no- 0 pts, 5 years – 30 pts, more than 5 years – up to the 40 pts	40
• At least 4 years of working experience in the institutional consultancy or in energy related research institutions;	no- 0 pts, 4 years – 25 pts, more than 4 years – for each additional year 5 pts up to the max – 35 pts	35
• Interview	15 pts. - Practicing the activity of energy auditor in the field of buildings will be considered an advantage (No- 0 pts. Yes 15 pts); 40 pts. - Proven experience in conducting thermal energetic calculations and/or technical-economic calculation of projects in the energy field (4 years –20 pts; more than 4 years – for each additional year 5 pts up to the max – up to 40 pts); 40 pts. – Proven experience in developing similar studies and methodologies (limited experience – up to 20 pts; satisfactory – up to 30 pts; extensive – up to 40 pts);	185

Criteria	Scoring	Maximum Points Obtainable
	<p>35 pts. - Knowledge in high level index criteria and methodologies for Calculation Platforms (limited knowledge – up to 15 pts; satisfactory – up to 25 pts; extensive – up to 35 pts);</p> <p>35 pts. - Strong knowledge of the Moldova's energy related official data (limited knowledge – up to 10 pts; satisfactory – up to 20 pts; extensive – up to 35 pts);</p> <p>Fluency in Romanian and good working knowledge of English, knowledge of Russian would be an asset (Romanian – 10 pts., Russian and English – additional 5 pts. each, up to max 20 pts.)</p>	
<ul style="list-style-type: none"> Belonging to the group(s) under-represented in the UN Moldova and/or the area of assignment¹ 	No – 0 pts., to one group 5 pts, to 2 or more groups – 5 additional pts.	10
Maximum Total Technical Scoring		300
<u>Financial</u>		
<p>Evaluation of submitted financial offers will be done based on the following formula:</p> <p><u>$S = F_{min} / F * 200$</u></p> <p>S – score received on financial evaluation;</p> <p>Fmin – the lowest financial offer out of all the submitted offers qualified over the technical evaluation round;</p>		200

¹ The under-represented group in the area of the assignment are (men/women). Under-represented groups in UN Moldova are persons with disabilities, LGBTI, ethnic and linguistic minorities, especially ethnic Gagauzians, Bulgarians, Roma, Jews, people of African descent, people living with HIV, religious minorities, especially Muslim women, refugees, and other non-citizens.

Criteria	Scoring	Maximum Points Obtainable
F – financial offer under consideration.		

Winning candidate

The winning candidate will be the candidate, who has accumulated the highest aggregated score (technical scoring + financial scoring).

8. ANNEXES

ANNEX 1 – TERMS OF REFERENCES

ANNEX 2 – INDIVIDUAL CONSULTANT GENERAL TERMS AND CONDITIONS