



Policy and Legal Advice Centre (PLAC IV)

Terms of Reference (ToR) for a Short-Term assignment

No. 15

Technical assistance requested:	2 (two) Senior Non-Key Experts in the area Ch.15 - Energy; Energy Efficiency
Project Title:	Policy and Legal Advice Centre (PLAC IV), Serbia
Ref:	NEAR/BEG/2023/EA-RP/0175
Service Contract No.:	(CRIS) 2024/453-315
Main beneficiary:	The Ministry of European Integration of the Republic of Serbia and the Negotiating Team
Target Beneficiaries:	Negotiating Group Ch. 15; Ministry of Mining and Energy RS (MME)
Budget Line /Expert Category:	Two Senior Non-Key Experts
Duration of the assignment:	40 working days (WD), from November 2024 until February 2025

1. Background information in relation to the PLAC IV project:

The scope of the PLAC IV project is to support relevant national institutions in charge of aligning national legal acts with the Union *acquis* and to contribute to further building of capacities of relevant national structures for successful carrying out accession negotiations.

The PLAC IV project should achieve two results:

RESULT 1 - Enhanced compatibility of national legislation with EU legislation and its effective implementation

RESULT 2 - Enhanced capacities of the relevant national structures for the successful carrying out of accession negotiations

In general, the project aims at fostering the process of accession negotiations of the Republic of Serbia by supporting the effective alignment of national legislation with the Union *acquis* and its implementation and by further building the capacities of involved carriers of the EU integration process in the Republic of Serbia. After completing the screening process in 2015, Serbian public administration entered a much more demanding and obliging exercise of accession negotiations, whereby each step and every decision should result in approaching actual membership in the EU. For this scenario to happen according to planned dynamics, preparedness and adequate institutional capacity of public administration with highly competent staff is crucial. In the core period of the negotiations, the PLAC IV project shall



support domestic line institutions and the negotiating structures both in performing quality operational work in relation to the harmonisation process and the effective coordination during various stages and phases in the process for different negotiation chapters.

2. Background information in relation to Chapter 15 – Energy – Energy Efficiency

Energy efficiency remains the focus of the Ministry of Mining and Energy RS (hereinafter the Ministry, the MME) in the next period. The Republic of Serbia opened Cluster 4 for negotiation with the EU, which includes Chapter 15 – Energy. This means the EU has agreed that the Republic of Serbia has met the opening benchmarks for Chapter 15 - Energy and, therefore, it is sufficiently prepared for the negotiations on this chapter. Specifically for Energy Efficiency, the main EU regulation acts are transposed through the Law on Energy Efficiency and Rational Use of Energy (*Official Gazette* No. 40/21) and bylaws.

The Law on Energy Efficiency and Rational Use of Energy prescribed propositions regarding financial and non-financial incentives for High-Efficiency Combined Heat and Power – HE CHP. However, during the process of adopting a relevant bylaw, some shortcomings were identified. In the meantime, in 2023, the EU adopted a new Energy Efficiency Directive, Directive (EU) 2023/1791, which established new requirements for HE CHP, referring to the CO₂ emission factor of the HE CHP plants.

The MME has addressed the PLAC IV project TA team, aiming to obtain an expert study on the potential for engaging HE CHP in Serbia in a cost-optimal way. This study should be accompanied by analysing the possibility that Serbian HE CHP plants meet EU requirements and the consequences if they are not aligned with EU regulations.

There are no ongoing and/or planned assistance projects for the activities covered by this ToR.

3. Description of the assignment:

3.1 Specific objectives

The specific objective of this assignment is to provide expert assistance to the MME in conducting a comprehensive study. This study will provide the basis for applying EU Directive 2023/1791 on Energy Efficiency in terms of the analysis and interpretation of all HE CHP provisions.

The experts will assist the MME in analysing the possibilities of implementing financial incentives for HE CHP and introducing guarantee of origin schemes for HE CHP according to the newest EU regulations.

3.2 Requested services

The Senior NKEs in Energy Efficiency are expected to provide the following services:

1. To analyse and determine the appropriate value of incentives per kWh of electric energy for small cogeneration units (with installed capacity up to 1 MW) for the investment to pay off in 8, 10 and 15 years. The value of incentives can be investigated for several different cases: for swimming pools, sports centres, hotels, schools and universities, hospitals, small and medium enterprises and several individual households. Only the data for the territory of Serbia should be used in the analysis. For the commercial sector, the limits of incentives should be listed following the State Aid rules.



2. To analyse the current status of different institutions operating in the energy sector and to propose a body in Serbia that would be designated to determine whether cogeneration is highly efficient and whether the plant was operating as a high-efficiency cogeneration. The following issues should be analysed: How to determine practical efficiency based on data from measuring instruments; Who reads the measuring instruments; Whether producers themselves calculate the current from cogeneration according to Eurostat's methodology; Who checks the data entered into the calculation; What is the period for which the efficiency of cogeneration is determined; In general, how to organise this process in practice?
3. Determine the degree of mixing natural gas with other energy sources to achieve the requirement for CO₂ emissions from Directive 2023/1791 in different cogeneration plants. In case there is no standard, perform calculations following the existing methodologies used in Serbia or the EU to obtain approximate values depending on the CHP plant technology, as well as give proposals for existing technologies on how to reduce CO₂ in the use of natural gas that can be applied in CHP plants.
4. What are the criteria for micro and small CHP to be HE, and how can the competent authority compare the requirements for these plants in Directive 2012/27/EU and Directive (EU) 2023/1791?

3.3 Outputs

The Senior NKEs are expected to deliver the following outputs:

- A **Comprehensive analysis** of the latest requirements for HE CHP in EU directives and possibilities for implementation in the Republic of Serbia if the alignment with EU law is achieved, as well as the effects in case of non-alignment.

3.4 Reporting

The NKEs shall provide the following reports by using the templates of the Project:

- A brief Mission Report with 3a description of activities and outputs provided at the end of each month, in which tasks under this assignment have been carried out,
- Final Mission Report, no later than one week after completing tasks under this assignment. This report will include a description of all activities and outputs provided by the NKE in the context of this assignment.

Submission of reports:

- All reports prepared with the relevant quality shall be submitted to the Project Team Leader for review, comments, and final approval. The reports shall be signed by the NKE and the Team Leader responsible for endorsing them.
- The reports and all prepared documents shall be submitted to the Project Team Leader in hard copy and electronic format.

3.5 Specifics

The SNKEs shall work under the guidance and instructions of the Team Leader. They shall collaborate with the project team, other experts involved, and representatives of the relevant beneficiary institutions.



The **Comprehensive analysis** will be considered completed when the Working Group formed by MME approves it.

The timing and duration of each short-term mission shall be agreed upon with the Beneficiary and the PLAC team before each planned mission.

3.6 Expert input

Total working days	40 working days (WDs) in total have been planned for this assignment (20 WDs for SNKE 1 and 20 WDs for SNKE 2). An additional number of WDs may be allocated for this ToR should the needs of the main beneficiary require an extension for the activity areas mentioned in this ToR.
Period of the assignment	November 2024 until February 2025
Starting day	The work is expected to be performed from November 2024 onwards. However, the exact starting date will be agreed upon later.
Location/place of assignment	The base of operation will be in Belgrade, Serbia, and the Project will provide office facilities.
Working language	English

4. Experts' Profile – 2 Senior NKEs (40 working days)

Senior NKE 1 (20 working days)

Qualification and skills (25 points)	<ul style="list-style-type: none"> • A level of education which corresponds to completed university studies of at least 5 (five) years in the relevant field attested by a diploma such as Electrical Engineering, Mechanical Engineering or similar, relevant to the assignment • Computer literacy • Be proficient in report drafting • Excellent communication and analytical skills • Proficiency in English language • Be independent and free from conflicts of interest in the responsibilities they take on.
General professional experience (25 points)	<ul style="list-style-type: none"> • Minimum 8 (eight) years of relevant professional experience • At least 5 (five) years of professional experience in applying EU legislation in the energy field.
Specific professional experience (50 points)	<ul style="list-style-type: none"> • At least 3 (three) years of postgraduate professional experience in the field of heating energy/CHP • Experience in energy cogeneration gained in the EU member state would be an asset



Senior NKE 2 (20 working days)

<p>Qualification and skills (25 points)</p>	<ul style="list-style-type: none"> • A level of education, which corresponds to completed university studies of at least 4 (four) years in the relevant field attested by a diploma such as Electrical Engineering, Mechanical Engineering, Economy, or similar, relevant to the assignment • Computer literacy • Be proficient in report drafting • Excellent communication and analytical skills • Proficiency in English language • Be independent and free from conflicts of interest in the responsibilities they take on.
<p>General professional experience (25 points)</p>	<ul style="list-style-type: none"> • Minimum 8 (eight) years of relevant professional experience • At least 5 (five) years of experience concerning energy gained in the Republic of Serbia or other EU candidate states.
<p>Specific professional experience (50 points)</p>	<ul style="list-style-type: none"> • Recent postgraduate professional experience in cost-benefit analysis for the heating/electro- plants (preferably gained in the past 5 (five) years). • Knowledge of the Serbian legal system and work of the institutions of the Republic of Serbia will be an advantage.

5. Applications

Applications (EU format CV and application letter, both in English) need to be submitted by e-mail to domi@ibf.be with a copy to bortolameazzi@ibf.be no later than 17:00 hrs, 28 November 2024, titled: "Application for the position – Senior Non-Key Expert 1 or 2 for conducting a comprehensive study concerning the implementation of Directive EU 2023/1791 provisions on High-Efficiency CHP in the Republic of Serbia".

References must be available on request. Only shortlisted candidates will be contacted.

The Project is an equal opportunity employer that encourages applications from women and minorities. All applications will be considered strictly confidential.

The advertised post is unavailable to civil servants or other public administration officials in the Republic of Serbia, the beneficiary country.

For more information, please contact the Project Director at IBF: bortolameazzi@ibf.be.