

Lista Experților/ Echipa SINERGETIKA

Nume / Domeniu de expertiză	Descriere
<p>Nicolae Zaharia</p> <p>Lider de echipă/ Expert Economic/ Expert Financiar</p>	<ul style="list-style-type: none"> ▪ Expert economic, financiar si în gestionarea proiectelor cu o experiență de peste 10 ani, ▪ Experiență vastă în gestionarea proiectelor de finanțare a energiei pentru UE, USAID și PNUD, cu o valoare totală de peste 22 de milioane EUR; ▪ Experiență extinsă în proiectarea și dezvoltarea schemelor și mecanismelor financiare pentru a sprijini eficiența energetică și îmbunătățirea resurselor naturale care vizează sectorul public, IMM-uri, sectorul industrial, sectorul rezidențial (clădiri) și sectorul agricol; ▪ Dezvoltarea unui mecanism de finanțare a eficienței energetice în Armenia; ▪ Dezvoltarea pieței companiilor de servicii energetice (ESCO) din Belarus; ▪ Dezvoltarea unui Mecanism al Fondului de Garantare a Împrumuturilor pentru susținerea îmbunătățirii eficienței energetice în Moldova; ▪ Suport în dezvoltarea a numeroase politici și reglementări legate de mediu și energie, inclusiv dezvoltarea PNAEE a Moldovei cât și sprijin pentru Ministerul Economiei și Infrastructurii în elaborarea unei foi de parcurs pentru implementarea Programului de renovare a clădirilor guvernului central. ▪ Fluent în română; engleză; rusă
<p>Octavian Lungu</p> <p>Expert Juridic Expert Energetic/ Expert în Reglementare/</p>	<ul style="list-style-type: none"> ▪ Expert în gestionarea proiectelor în sectorul energetic, financiar și transport, cu peste 25 de ani de experiență atât în sectorul public, cât și în cel privat; ▪ Participarea la elaborarea legilor, reglementărilor și metodologiilor tarifare în domeniul energiei; ▪ Participarea și gestionarea proiectelor internaționale de infrastructură susținute de BM, FMI, BERD, UE și PNUD; ▪ Experiență de nivel înalt în reglementarea sectoarelor de energie și transport; ▪ Experiență continuă în oferirea de expertiză națională pentru proiecte de asistență tehnică în eficiență energetică / surse regenerabile și zone de transport / mobilitate urbană; ▪ Fluent în română, rusă, engleză.

Curriculum Vitae (CV)

Nicolae Zaharia

Position Title and No.	Team Lead/ Economic Expert
Name of Expert:	Nicolae Zaharia
Date of Birth:	June 05, 1979
Country of Citizenship	Double citizenship: Republic of Moldova, Romania
Residence	Republic of Moldova

Education:

Name of Institution	Dates Attended	Degree / diploma obtained
School of Political and Administrative Studies Bucharest, Romania	September 2001 - May 2003	Master's degree (equivalent)
Balti State University "Alecu Russo", Republic of Moldova	September 1997 - May 2001	Bachelor's degree

Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian	5	5	5
English	5	5	5
Russian	5	5	5
French	4	3	2

Membership of professional bodies: N/A

Other relevant skills (e.g. computer literacy, etc.): Ms Office (Word, Excel, PowerPoint, Outlook, Access, Publisher, etc.)

Key qualifications (relevant to the programme):

Mr. Nicolae Zaharia is a senior energy finance project manager with more than 10 years of experience. He has managed numerous energy finance projects for the EU, USAID and UNDP, with a total value of over 22 million EUR. Mr. Zaharia has extensive experience designing and developing financial schemes and mechanisms to support improved energy and natural resource efficiency at municipal level as well as country wide, targeting the public sector, SMEs, corporates & industry, the residential (building) sector and the agriculture sector. His work has included development of an energy efficiency fund in Armenia designed to finance residential building refurbishment in the city of Yerevan; development of the energy service companies (ESCO) market in Belarus, which would target the energy refurbishment of public as well as residential buildings in Minsk and other municipalities; and development of a Loan Guarantee Fund Mechanism to support energy efficiency improvements in Moldova, specifically in the municipality of Chisinau. He has also supported the development of numerous energy and environment related policies and regulations, including development of Moldova's NEEAP and supporting the Ministry of Economy and Infrastructure develop a road map for the implementation of the Program for Renovation of Central Government Buildings.

Employment record relevant to the assignment (selected experience only, due to page limitations):

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
October 2019 – February 2020	<p>NIRAS Finland Oy (for EU Delegation)</p> <p>Reference Person: Ms. Wende Luinga Heinoja wende.luingaheinoja@niras.fi</p>	Republic of Moldova	Local Consultant in Support to the Modernization of the Energy Sector in the Republic of Moldova (STARS)	<p>Non-key expert. Provided support to the Ministry of Economy and Infrastructure on the for completion of a number of regulations, assessments and pre-assessments, including:</p> <ul style="list-style-type: none"> • Regulation on efficiency requirements for Hot water boilers • Strategic Environment Pre-Assessment or Assessment of National Energy Efficiency Action Plan 2019-2021 • Regulatory Impact Assessment (RIA) on Regulation on Energy Audits and Auditors • Regulatory Impact Assessment (RIA) of Regulation on energy auditing of big enterprises/companies
June 2019 – September 2019	<p>United Nations Development Program (UNDP) Armenia Petros Adamyan Street, 14 Yerevan 0010, Armenia</p> <p><i>International consultant on creation of municipal/public EE Fund or ESCO</i></p> <p>Reference Person: Mr. Vahram Jalalyan, vahram.jalalyan@undp.org</p>	Armenia	International consultant on municipal energy efficiency financing	<p>Responsible for providing managerial and operational support for the implementation of component 3: “Financial de-risking” and component 4: “Financial incentives”.</p> <p><u>Activities performed by the consultant:</u></p> <ul style="list-style-type: none"> • Produce a study on applicability of international experience and best practices of municipal/public energy efficiency funds/ESCOs in Armenian context; • Provide suggestions on establishing financially viable and sustainable municipal/public energy efficiency fund or ESCO applicable in context of Armenia; • Provide proposal on a financial incentive scheme with appropriate legal and institutional model for its implementation; • Prepare 3 options of establishing a municipal/public energy efficiency funds or ESCOs to be presented to municipalities and government of Armenia including essential policy and legal regulations; • Aggregate the information summary and lessons learned in the final report.

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
April 2019 – December 2020	<p>Nordic Environment Finance Corporation (NEFCO) Helsinki, Finland</p> <p>Reference Person: Ms. Aliona Fomenco, aliona.fomenco@nefco.fi</p>	Republic of Moldova	<p>Consultant on municipal energy efficiency financing</p> <p>Consulting Services: Municipal Project Preparation & Implementation Support within Energy Saving Credit Facility (ESC) for NEFCO</p>	<ul style="list-style-type: none"> • Promote energy savings financing programs launched by NEFCO in Moldova; • Identify energy savings investment projects in municipalities of Moldova; • Support in formalization of investment packages, including development of business plans and energy audits; • Monitoring and supervision of the project implementation; • Reporting and due diligence of all activities;
November 2018 – December 2019	<p>Energy Efficiency Agency 1, Alecu Russo street, 10th floor Chisinau, Republic of Moldova</p> <p>Reference Person: Mr. Manole Balan, manole.balan@aee.md</p>	Republic of Moldova	<p>Local consultant</p> <p>Consulting Services for the Elaboration of the National Energy Efficiency Action Plan (NEEAP) for 2019-2021 for Republic of Moldova</p>	<p>Provided key expertise in developing the NEEAP. Elaboration of a new plan as well as its preliminary presentation to the stakeholders, gathering of opinions and suggestions, their incorporation and final presentation of the draft. Also responsible for the support to the Ministry of Economy and Infrastructure in promoting it for final approval.</p> <p><u>Activities performed by the consultant:</u></p> <ul style="list-style-type: none"> • Development of the plan for the elaboration of the NEEAP 2019-2021. • Development of the Draft Assessment Report on the implementation of the NEEAP 2016-2018. • Development of the proposed objectives and new EE measures for the NEEAP 2019-2021. • Development of the Informative Note on the draft Government Decision approving the NEEAP 2019-2021. • Development of the Draft Government Decision on the approval of the NEEAP 2019-2021. • Development of the Summary of Objections and Proposals of the Government Decision on the approval of the NEEAP 2019-2021, as a follow up of the public consultations. • Presentation and promotion of the final NEEAP draft 2019-2021 & support the Ministry of Economy and Infrastructure in getting it approved.

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October 2018 – March 2018	<p>Energy Community Secretariat Am Hof 4, Level 5, 1010 Vienna, AUSTRIA</p> <p>Reference Person: Ms. Violeta Kogalniceanu, violeta.kogalniceanu@energy-community.org</p>	Republic of Moldova	Energy Efficiency Expert to develop a Study on Energy Efficiency Potential in Moldova	<p>Identify, collect, process and report relevant information from existing literature and other sources to compile country-specific datasets of energy efficiency potential in the buildings (public and residential), industry, including power generation, and transport.</p> <p>In addition to desk research tools, conducted face to face interviews with all relevant stakeholders, including but not limited to Ministry of Economy and Infrastructure, Energy Efficiency Agency, National Regulator (ANRE), to clarify all issues of concern.</p>
October 2018 – February 2019	<p>NIRAS Finland Oy (for EU Delegation)</p> <p>Reference Person: Ms. Saana Ahonen saana.ahonen@niras.fi</p>	Republic of Moldova	Local Consultant in Support to the Modernization of the Energy Sector in the Republic of Moldova (STARS)	<p>Non-key expert. Provided support to the Ministry of Economy and Infrastructure on the elaboration of Government Decision for implementation of the Program for Renovation of Central Government Buildings (Article 5 of the Energy Efficiency Directive):</p> <ul style="list-style-type: none"> Reviewed the draft Program ensuring that it complies with the rules for development and uniform requirements to policy documents in Moldova; Drafted the decision of the Government and related legal documents for the promotion of the program; Provision of assistance to the Energy Department of Ministry of Economy and Infrastructure in the promotion process of the program in the Government.
September 2018 – February 2019	<p>The Energy Charter Secretariat 46, Boulevard de la Woluwe 1200 Brussels, Belgium</p> <p>Reference Person: Ms. Bilyana Chobanova, bilyana.chobanova@encharter.org</p>	Republic of Belarus	International ESCO expert	<p>EU4Energy BY1.2/2018 Support to development of legislative and regulatory basis for providing energy efficiency services. The objective of the activity was to support the implementation of the following EETF recommendations:</p> <ul style="list-style-type: none"> Review of the current legislative framework and the actual state of play of providing energy efficiency services and the operation of energy service companies (ESCO); Identification of main barriers and obstacles to the successful implementation of energy efficiency services in Belarus; Provide recommendations for necessary changes of the existing legislative framework with the aim to

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				<p>remove barriers and promote ESCO business in Belarus based on best international practices.</p> <ul style="list-style-type: none"> • Develop draft templates of EPCs for the private and public sector; • Develop EPC public procurement methodology; • Develop guidelines for the development of terms of reference for EPC services (technical requirements, calculation of baseline consumption, monitoring of the implementation etc.). • Provide input to 2-3 meetings of the Inter-Ministerial Working Group (IMWG) on ESCO development. • Conduct capacity building event for the members of the IMWG and other relevant stakeholders; • Supervised and coordinated the deliverables of local as well as international consultants during the assignment; • Provide information on relevant experience with ESCO from EU/Easter European and Neighbourhood countries; • Identify barriers and possible solutions to the successful implementation of energy efficiency services and ESCO in Belarus; • Draft proposals for the improvement of the existing legislative framework; • Develop final Roadmap report, including recommended next steps and follow-up activities for the Government of Belarus to facilitate the adoption of the proposals and draft templates/secondary legislation developed within this assignment.
September 2018 – November 2018	<p>Nordic Environment Finance Corporation (NEFCO) Helsinki, Finland</p> <p>Reference Person: Ms. Aliona Fomenko, aliona.fomenko@nefco.fi</p>	Republic of Moldova	Energy Efficiency and Financing Expert to develop a Study on EXPANSION OF NMF CREDITS TO MOLDOVA	<p>The aim of this assignment was to prepare the expansion of Nordic Environmental Development Fund's (NMF's) credits into the New Countries by collecting basic information and preparing an analysis described below.</p> <p>Activities performed by the consultant:</p> <ol style="list-style-type: none"> 1. Estimation of the potential for Energy Savings Credits (ESC) finance. 2. Assessment of the regulatory framework for municipal borrowing. 3. Assessment of general financial strength and

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
				<p>implementation capacity of municipalities for ESC.</p> <p>4. Supervised the elaboration of local consultants' outcomes and ensured the quality control of final deliverables.</p> <p>5. Estimation of the potential for CPF finance.</p> <p>6. Assess implementation capacity of SMEs for the Cleaner Production Facility (CPF).</p>
August 2018 – September 2018	<p>AvantGarde Energy Bratislava, Slovakia for UNDP Armenia</p> <p>Reference Person: Ms. Marina Olshanskaya olshanskaya@avantgarde-energy.com</p>	Armenia	International consultant on the Development of Energy Efficiency Fund regulation in Armenia	<p>Development of Energy Efficiency Fund regulation in Armenia</p> <ul style="list-style-type: none"> • Elaboration of the financial regulation on revolving funds in Armenia • Elaboration of a detailed evaluation guide for applications, define the qualifications, evaluation and selection criteria for investment projects in energy efficiency and renewable sources of energy.
August 2018	<p>UNDP Kazakhstan 14, Mambetov str., Astana, 010000, Kazakhstan</p> <p>Reference Person: Alexandr Belyi, alexander.belyi@undp.org</p>	Kazakhstan	International technical expert in assessing of low-carbon projects in heating and water supply	<p>UNDP-GEF Project “Sustainable Cities for Low-Carbon Development”</p> <p>Analyse and assess the documents submitted by the UNDP-GEF Project for obtaining financial support from applicants (5 applications) for heating and sewage systems (boiler rooms, ATPs, pumps):</p> <ul style="list-style-type: none"> • Application of a potential candidate; • Calculations of proposed project energy efficiency; • Rules for the provision of financial support. <p>Supervise the activity of local technical evaluation committee and ensure the quality control of final deliverables</p>
July 2018 - Present	<p>Sisteme Inteligente in Energetica SRL (SINERGETIKA) Chisinau, Republic of Moldova</p>	Republic of Moldova	Chief Executive Officer	<p>Established and manage an engineering and consultancy company to provide advisory and implementation support services for public and private investment projects in energy efficiency, renewable energy and urban sustainability. Coordinate and supervise all teams involved in</p>

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
November 2014 – June 2018	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p>Reference person: Mr. Georgi Arzumanyan georgi.arzumanyan@undp.org</p>	Republic of Moldova	Project Manager of “ESCO Moldova project”	<p>“ESCO Moldova project - Transforming the market for Urban Energy Efficiency in Moldova by introducing Energy Service Companies”</p> <ul style="list-style-type: none"> • Responsible for whole life cycle of the project from inception, planning, promotion to implementation; • Lead the process of elaborating and managing the Loan Guarantee Fund Mechanism (in close collaboration with the Energy Efficiency Fund and partner Financial Institutions); • Support the Chisinau Municipality in preparing and issuing a Request for Qualification resulting in an ESCO shortlist, and Request for Proposals for energy efficiency projects implementation; • Liaised with the national counterparts and donors to ensure that Project results are achieved, and Project resources are managed efficiently and effectively; • Collaborate with national counterparts on all aspects related to their mandate relevant for the project, specifically on quality assurance of energy audits and feasibility studies, selection of EPC projects, and training of stakeholders. • Supervised the activity of local as well as international teams of experts involved at different layers and within activities of the project (e.g. supervised the activity of an international consortium hired to provide facilitation services for establishment of energy services in Moldova)
April 2011 – November 2014	<p>United Nations Development Program in Moldova (UNDP) Chisinau, Republic of Moldova</p> <p>Reference person: Ms. Narine Sahakyan narine.sahakyan@undp.org</p>	Republic of Moldova	Senior Project Officer in Moldova Energy and Biomass project	<ul style="list-style-type: none"> • Led on facilitating the implementation of an agri-industrial cogeneration plant using own-produced biomass waste with a total value of 7 Mil Euro. Conducted studies of the market barriers to, and opportunities for, the development of industrial cogeneration based on biomass in Moldova; • Worked on the implement of a market stimulation scheme, including installation of demonstration projects, market facilitation and implementation of a subsidy scheme, totalling 2 Mil Euro; • Designed and implemented a Public Private Partnership leading to the development of a new service in one of the regions of the country, leading

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				<p>to biomass heat delivery for 26 public institutions located in the south of the country. 5 Mil Euro has been leveraged to make the project operational and successful.</p> <ul style="list-style-type: none"> Supervised the activity of local as well as international teams of experts contracted to provide a wide range of services to the project under my responsibility.
<p>March 2010 April 2011</p>	<p>The German Agency for International Cooperation in Moldova (GIZ) Chisinau, Republic of Moldova</p> <p>Reference person: Mr. Philipp Johannsen philipp.johannsen@giz.de</p>	<p>Republic of Moldova</p>	<p>Project officer on Energy Efficiency and Renewable Sources of Energy</p>	<ul style="list-style-type: none"> Responsible for energy efficiency projects implementation; Advise the project beneficiaries on energy efficiency, energy management, participatory planning of energy budgeting, energy infrastructure development, regional development, inter-communal cooperation, project management, public private partnership opportunities in energy efficiency projects, procurement and tendering processes of energy services, monitoring and evaluation, asset management. Establish and maintain contacts with the Project partners and beneficiaries by means of meetings, correspondence, etc. Draft Project documents, such as reports, Memorandums, TORs, presentations, etc. Represent Project at different levels: local, district, regional, national, international (when necessary) Coordinate the necessary technical assistance for the successful project implementation

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award.

Nicolae Zaharia
Date: 05.08.2020

Curriculum Vitae (CV)
Octavian Lungu

Position Title	Legal Expert
Name of Expert:	Octavian Lungu
Date of Birth:	05/09/1971
Country of Citizenship/Residence	Republic of Moldova

Education:

College/ University/ Specialized education, names of educational institutions	Dates attended	Degree/diplomas obtained
<p>Council of European Energy Regulators (CEER), Brussels</p> <p><i>Commissioner-Level Seminar on Managing European and National Agendas on Energy Regulation:</i></p> <ul style="list-style-type: none"> - <i>Overview of European Institutions</i> - <i>CEER, ACER and Other European Bodies</i> - <i>Key Legislative Developments in EU</i> - <i>Regulatory Oversight at National and EU Level</i> 	Mar.2017	Certificate
<p>Energy Regulators Regional Association (ERRA)</p> <p><i>Seminar for Newly Appointed Commissioners & Chairmen:</i></p> <ul style="list-style-type: none"> - <i>Authority, Autonomy and Accountability of the Regulator, Relationship with other Agencies</i> - <i>Restructuring of the Electric Power Industries</i> - <i>Price Regulation in the Energy Sector</i> - <i>Regulatory Tools to Support Renewable Energy, Electricity Markets</i> - <i>Security of Supply, Privatization Experiences</i> 	Apr.2014	Certificate
<p>Public Administration Academy of Moldova</p> <p><i>Post-graduate studies in International Relations and Law:</i></p> <ul style="list-style-type: none"> - <i>National constitutional, administrative, civil, penal, economic and labor laws</i> - <i>International public and private laws</i> 	1997-2001	MA International Relations Diploma
<p>Bucharest Technical University of Civil Engineering, Romania</p> <p><i>Environmental Sciences/Water Resources Engineering</i></p>	1993-1995	Post-graduate Diploma
<p>Technical University of Moldova</p>	1988-1993	MSc. Electronics Diploma

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
Nov 2019 - present	UNDP, Moldova Sustainable Green Cities Project, National Consultant in Energy Efficiency and Renewable Energy Sources <i>For references:</i> <i>Tel. +373 69162798/e-mail: alexandru.rotaru@undp.org</i> <i>Mr. Alexandru Rotaru, Project Manager</i>	Moldova	<ul style="list-style-type: none"> - National support for scoping, data collection, analysis of existing legal and institutional provisions, development procedures and document templates (aligned with the legislation in place); - Provide inputs for analyzing and implementing financial mechanisms for energy efficiency measures related to loans repayment instruments; - Provide all the required support for determining the most feasible approach to the energy efficient refurbishment in private or residential sector; - Support in organization of round table meetings with national stakeholders.
Jan.2014-Feb.2019	National Agency of Energy Regulation, Commissioner/ Member of the Board <i>For references:</i> <i>Tel. +373 69105199 /e-mail octavian.calmac@gmail.com</i> <i>Mr. Octavian Calmic, Commissioner</i>	Moldova	<ul style="list-style-type: none"> - Coordination of Tariff and Economic Regulation Dept; - Draft, review and approve regulations, incl. tariffs methodologies; - Draft energy laws and its amendments; - Review and approval of utilities companies' investments plans; - Review and approve operational costs and regulated tariffs/prices; - Negotiations with WB, EBRD, EIB, EC large infrastructure projects implementation.

7. Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian (mother tong)	5	5	5
Russian	5	5	5
English	5	4	4
French	4	3	2

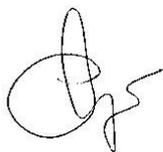
8. Membership of professional bodies:**9. Other relevant skills (e.g. computer literacy etc.):**

- MS Office - advanced

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award.

Octavian Lungu
04.08.2020





REPUBLICA MOLDOVA



MINISTERUL ÎNVĂȚĂMÎNTULUI

DIPLOMĂ

de studii superioare universitare de licență

Seria AL

№ 0036791

În baza hotărîrii Comisiei pentru examenul de licență

din 23 iunie 2001

Zaharia Nicolae

numele, prenumele

înmatriculat în anul 1997, absolvent al(a)

Universității de Stat „Alecu Russo”

instituația de învățămînt superior universitar

din Bălți

a obținut titlul de manager-economist

în profilul economie

specialitatea Management în comerț

specializarea

cu media: pe anii de studii 9,51 (nouă, 51)

examenului de licență 10,00 (zece, 00)

generală 9,75 (nouă, 75)

L.Ș.

Președinte al Comisiei,

Rector, *[Signature]*

Decan,

Secretar, *[Signature]*

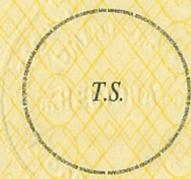
Eliberat la 30 iunie 2001

Nr. de înregistrare 107 Semnătura titularului

Tipografia Centrală, 2001



Seria H Nr 0003219



ROMÂNIA
MINISTERUL EDUCAȚIEI ȘI CERCETĂRII



ȘCOALA NAȚIONALĂ DE STUDII
POLITICE ȘI ADMINISTRATIVE



DIPLOMĂ DE STUDII ACADEMICE POSTUNIVERSITARE

D -/ **ZAHARIA GH. NICOLAE**

născut în anul 1979, luna Iunie, ziua 5, în localitatea
BĂLȚI, județul, țara REPUBLICA MOLDOVA

a absolvit STUDIILE ACADEMICE POSTUNIVERSITARE
COMUNICARE ȘI RELAȚII PUBLICE

cu durata de 2 ani, în perioada 2001 - 2003

și a susținut examenul de diplomă la data Iunie 2003

Titularului acestei diplome i se acordă toate drepturile legale.



RECTOR,

DECAN / DIRECTOR,

SECRETAR ȘEF,

Nr. 69 din 14.12.2004

Semnătura titularului

Diploma este însoțită de foaia matricolă

DIPLOMĂ

cu mențiune

de studii postuniversitare

seria A nr. 001088

Lungu Octavian

numele și prenumele titularului

în anul 1998 a fost înmatriculat și în anul 2001 a absolvit cursul deplin al Academiei de Administrare Publică pe lângă Guvernul Republicii Moldova la specialitatea *relații internaționale*.

Prin hotărîrea Comisiei de Stat de Calificare din 06 iunie 2001 i se conferă calificarea *specialist în relațiile internaționale*.



*Sedintele Comisiei
de Stat de Calificare*

Președintele

*Sprișcu
M. Blaton*

Nr. de înregistrare 1063
mun. Chișinău, 08 iunie 2001

ROMANIA
MINISTERUL ÎNVĂȚĂMINTULUI
UNIVERSITATEA TEHNICĂ DE
CONSTRUCȚII

Seria B Nr. 193



DIPLOMĂ

LUNGU G.A. OCTAVIAN GHEORGHE

născut în anul 1971, luna SEPTEMBRIE, ziua 5,

în localitatea CIUCIULEA, județul RAIONUL GLODENI R.S.S. MOLDOVENEASCA,

a absolvit ȘCOALA DE ÎNALTE STUDII POSTUNIVERSITARE

în specializarea: INGINERIA RESURSELOR DE APA

cu durata 15 (un an și cinci luni) ani, în perioada octombrie 1993 februarie 1995, cu media generală 7,08 (sapte zero opt)

RECTOR

DECAN

SECRETAR ȘEF

Nr. 17

Semnătura titularului

Data eliberării: anul 1995, luna Octombrie, ziua 25

M

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LISTA LUCRĂRILOR RELEVANTE ÎN DOMENIUL EFICIENȚEI ENERGETICE ȘI SURSELOR DE ENERGIE REGENERABILĂ

Nume Expert	Denumire produs/proiect
Nicolae Zaharia	<ul style="list-style-type: none"> • Potențialul de eficiența energetică al Republica Moldova, Secretariatul Energetic al CE; • Planul National de Acțiuni privind Eficiența Energetică (PNAEE) 2019 - 2021; • Actualizarea Planului de acțiuni pentru energie durabilă, mun. Chișinău; • Serviciile de performanță energetică în Republica Moldova, UNDP Moldova; • Evaluarea achizițiilor publice verzi și de servicii energetice în Republica Moldova, UNDP Moldova; • Mecanisme de încurajare a investițiilor în eficiența energetică a sectorului rezidențial, APE Moldova; • Expansion of Energy Efficiency and Renewable sources of energy credits to Moldova, NEFCO Finland; • Technical expertise and assessment of low-carbon projects in heating and water supply In Kazakhstan, UNDP Kazakhstan; • Support to development of legislative and regulatory basis for providing energy efficiency services and ESCOs in Belarus; • Regulation on efficiency requirements for hot water boilers; • Strategic Environment Pre-Assessment or Assessment of National Energy Efficiency Action Plan 2019-2021; • Regulatory Impact Assessment (RIA) on Regulation on Energy Audits and Auditors; • Regulatory Impact Assessment (RIA) of Regulation on energy auditing of big enterprises/companies; • Draft Government Decision for implementation of the Program for Renovation of Central Government Buildings (Article 5 of the Energy Efficiency Directive);
Octavian Lungu	<p>Împreună cu Ministerul Economiei și Infrastructurii și experții Secretariatului Comunității Energetice, a participat la elaborarea cadrului legislativ pentru implementarea Pachetului Energetic European III:</p> <ul style="list-style-type: none"> - Legea nr.10/2016 privind promovarea utilizării energiei din surse regenerabile; - Legea nr.108/2016 cu privire la gaze naturale; - Legea nr.107/2016 cu privire la energia electrică; - Legea nr.174/2017 cu privire la energetică.

LISTA CONTRACTELOR SIMILARE:

1. Realizarea "Planului național de acțiuni în domeniul eficienței energetice pentru anii 2019-2021 (PNAEE 2019-2021" pentru Republica Moldova, 432,000.00 MDL, perioada: noiembrie 2018 – decembrie 2019, beneficiar: Agenția pentru Eficiență Energetică, Republica Moldova.
2. EU4Energy BY1.2/2018 "Sprijin pentru dezvoltarea bazei legislative și de reglementare pentru furnizarea de servicii de eficiență energetică" pentru Belarus – contracte de performanță energetică, concept ESCO, etc., 10,000 EUR, perioada: septembrie 2018 – februarie 2019, beneficiar: Energy Charter Secretariat, Belgia.
3. "Studiu privind potențialul de eficiență energetică în Moldova", 11,750 EUR, perioada: octombrie 2018 – martie 2019, beneficiar: Energy Community Secretariat (EnCS), Austria.

Mai jos sunt prezentate contractele.



ACHIZIȚII PUBLICE

CONTRACT nr. 52

pentru achiziționarea serviciilor

Cod CPV 79311100-8

“29” octombrie 2018

mun. Chișinău

SRL „Sisteme Inteligente în Energetică”, reprezentat(ă) prin administratorul dl **Zaharia Nicolae**, cu sediul în mun. Chișinău, str. N. Milescu-Spătarul, nr. 17, ap. (of.)11, cod fiscal 1012600001384 denumit în continuare „Prestator”, pe de o parte și

Agenția pentru Eficiență Energetică, reprezentat(ă) prin dl **Alexandru Ciudin**, Director, denumit(ă) în continuare „Beneficiar”, pe de altă parte (ambii denumiți în continuare „Părți”), au încheiat prezentul Contract, cu privire la următoarele:

- a. Achiziționarea serviciilor de publicitate, denumite în continuare servicii, conform procedurii: Licitație publică, publicată în Buletinul achizițiilor publice, nr. 72 la 14.09.2018, nr. procedurii 18/04042 și în baza deciziei grupului de lucru al Beneficiarului din 17.10.2018.
- b. Următoarele documente vor fi considerate părți componente și integrale ale Contractului:
 - Specificația tehnică;
 - Specificația de preț (oferta);
- c. Prezentul Contract va predomina asupra tuturor altor documente componente. În cazul unor discrepanțe sau inconsecvențe între documentele componente ale Contractului, documentele vor avea ordinea de prioritate enumerată mai sus.
- d. În calitate de contravaloare a plăților care urmează a fi efectuate de Beneficiar, Prestatorul se obligă prin prezenta să livreze Beneficiarului Serviciile și să înlăture defectele lor în conformitate cu prevederile Contractului sub toate aspectele.
- e. Beneficiarul se obligă prin prezenta să plătească Prestatorului, în calitate de contravaloare a livrării serviciilor, precum și a înlăturării defectelor lor, prețul Contractului sau orice altă sumă care poate deveni plătitibilă conform prevederilor Contractului în termenele și modalitatea stabilite de Contract.

1. OBIECTUL CONTRACTULUI

- 1.1. Realizarea “Planului național de acțiuni în domeniul eficienței energetice pentru anii 2019-2021 (PNAEE 2019-2021)”, conform anexei nr. 1 la prezentul contract.
- 1.2. Prestatorul își asumă obligația de a presta, iar Beneficiarul de a recepționa și achita serviciile prevăzute în specificația din anexa nr.1, care este parte integrantă la prezentul contract.
- 1.3. Volumul serviciilor, sunt indicate în specificația din anexa nr. 1 la prezentul contract.

2. TERMENELE ȘI CONDIȚIILE DE PRESTAREA SERVICIILOR

- 2.1. Realizarea planului începe conform graficului stabilit în caietul de sarcini, imediat de la data încheierii contractului.
- 2.2 Data prestării serviciilor se consideră data semnării actului de primire predare.
- 2.3 Data prestării serviciilor începe odată cu semnarea contractului.

3. PREȚUL ȘI COSTUL TOTAL AL CONTRACTULUI ȘI CONDIȚIILE DE PLATĂ

3.1 Prețul serviciilor prestate conform prezentului Contract este stabilit în lei moldovenești, fiind indicat în specificația din Anexa nr.1 a prezentului contract.

3.2. Suma totală a prezentului Contract se stabilește în lei moldovenești, și constituie:

432 000 lei 00 bani

(suma cu cifre și litere)

patru sute treizeci și două mii lei

lei MD

3.3. Achitarea serviciilor prestate se va efectua în lei moldovenești.

3.4. Achitarea pentru serviciile prestate se efectuează conform actului de primire – predare a serviciilor, la contul bancar al Prestatorului

4. CONDIȚIILE DE PREDARE-PRIMIRE A SERVICIILOR

4.1. Serviciile se consideră predate de către Prestator și recepționate de către Beneficiar, dacă cantitatea corespunde prevederilor în anexa nr.1 al prezentului Contract.

5. OBLIGAȚIILE PĂRȚILOR

5.1. Angajamentele Beneficiarului:

- a) să întreprindă toate măsurile necesare pentru asigurarea recepționării în termenul stabilit a serviciilor în corespundere cu cerințele prezentului Contract;
- b) să asigure plata serviciilor prestate, respectând modalitățile și termenele indicate în prezentul Contract.

5.2. Angajamentele Prestatorului:

- a) să presteze servicii în condițiile prevăzute de prezentul contract;
- b) să înlăture deficiențele la timp, apărute pe parcursul prestării serviciilor;
- c) să prezinte Beneficiarului toate documentele necesare.

5.3 Prestatorul asigură integritatea bunurilor în procesul de prestare a serviciilor.

6. FORȚA MAJORĂ

6.1. Părțile sunt exonerate de răspundere pentru neîndeplinirea parțială sau integrală a angajamentelor conform prezentului Contract, dacă aceasta este cauzată de producerea unor cazuri de forță majoră.

6.2. Prin cazuri de forță majoră se subînțelege: războaiele, calamitățile naturale, incendiile, inundațiile, cutremurele de pământ, modificările în legislație și dispozițiile Guvernului, grevele și alte circumstanțe, ce nu depind de activitatea părților.

6.3. Survenirea circumstanțelor de forță majoră, momentul dezlănțuirii și termenul de acțiune trebuie să fie confirmate prin certificatul cu privire la forța majoră, eliberat de organul competent din țara părții pentru care asemenea circumstanțe au avut loc.

7. REZILIEREA CONTRACTULUI

7.1. Rezilierea contractului poate avea loc cu acordul comun al ambelor părți sau în mod unilateral în caz de:

1. Refuzul Prestatorului de executa serviciile prevăzută în prezentul contract;
2. Nerespectarea de către Prestator a termenelor de prestare stabiliți;
3. Nerespectarea de către Beneficiar a termenelor de plată a serviciilor;
4. Nesatisfacerea de către una din părți a pretențiilor, înaintate conform prezentului contract.

7.2. Partea inițiatore a rezilierii contractului este obligată să comunice în timp de 10 zile celeilalte părți despre intențiile ei, cu expunerea cauzelor.

7.3. Partea înștiințată este obligată să răspundă în decurs de 10 zile la anunț. În caz că chestiunea nu va fi coordonată în termenele stabilite, partea inițiatore are dreptul să declare Contractul reziliat, conform situației la data indicată în anunț.

7.4. Obligațiile contractuale existente la momentul rezilierii lui trebuie să fie satisfăcute necondiționat.

8. RECLAMAȚII ȘI SANCTIUNI

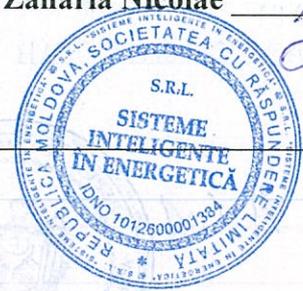
8.1. Pentru neîndeplinirea sau îndeplinirea insuficientă a obligațiilor luate prin prezentul Contract Părțile poartă răspundere materială în conformitate cu legislația în vigoare și Condițiile generale.

8.2. Prestatorul poartă răspundere pentru calitatea serviciilor în conformitate cu legislația în vigoare, inclusiv de viciile ascunse.

9. DISPOZIȚII FINALE

- 9.1. Litigiile ce vor rezulta din prezentul Contract vor fi soluționate de către părți pe cale amiabilă. În caz de neînțelegeri vor fi examinate în ordinea stabilită de legislația în vigoare a Republicii Moldova.
- 9.2. Din data semnării prezentului contract toate negocierile și corespondența referitoare la acesta, își pierd puterea juridică.
- 9.3. Orice modificări și completări la prezentul contract sunt valabile numai în cazul când acestea au fost făcute în scris și semnate de către reprezentanții împuterniciți pentru aceasta ai ambelor părți.
- 9.4. Nici una dintre părți nu are dreptul să transmită obligațiunile și drepturile sale de contract unor terțe persoane, fără înștiințarea și acordul în scris al celeilalte părți.
- 9.5. Prezentul Contract este întocmit în două exemplare care se remit câte un exemplar:
1. Prestatorului
 2. Beneficiarului
- 9.6. Prezentul Contract se consideră încheiat la data semnării lui și fiind valabil până la 31.12.2019.
- 9.7. Prezentul contract poate fi completat cu anexe suplimentare, după necesitate, care vor fi parte integrantă a acestuia.
- 9.8. Întru mărturisirea celor expuse mai sus, Părțile au semnat acest Contract la _____

Datele de identificare juridice, poștale și de plată ale părților:

<i>Prestator</i>	<i>Beneficiarul</i>
<p>SRL „Sisteme Inteligente în Energetică” MD-2075, Chișinău, str. N. Milescu-Spătarul, nr. 17, ap. (of.)11; tel. 069713636 Cod fiscal: 1012600001384 IBAN: MD79ML000000002251529538 Cont bancar: 2251529538 Cod bancar: MOLDMD2X329 Banca: BC „MOLDINCOMBANK” SA</p> <p>Administrator Zaharia Nicolae </p> 	<p>Agenția pentru Eficiență Energetică Mun. Chișinău, str. Alecu Russo,1 1011601000099 IBAN: MD78TRPBAA222990A15306AB Cont bancar TREZMD2X Ministerul Finanțelor – Trezoreria de Stat Tel/fax:49 94 44, 31 10 01</p> <p>Director Alexandru Ciudin </p> 

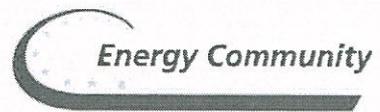


Anexa nr. 1
la contractul nr. 52
din "29" 10 2018

SPECIFICAȚIA BUNURILOR (SERVICIILOR)

Nr. d/o	Denumirea bunurilor/ serviciilor	Preț	Cantitatea	Suma totală(lei) cu TVA
1	Realizarea "Planului național de acțiuni în domeniul eficienței energetice pentru anii 2019-2021 (PNAEE 2019-2021)", conform caietului de sarcini și ofertei prezentate în cadrul procedurii: Licitația publică, publicată în Buletinul achizițiilor publice, nr. 72 la 14.09.2018, nr. procedurii 18/04042 și în baza deciziei grupului de lucru al Beneficiarului din 17.10.2018.	432 000,00	1	432 000,00
TOTAL				432 000,00

<i>Prestator</i>	<i>Beneficiarul</i>
<p>SRL,,Sisteme Inteligente în Energetică" MD-2075, Chișinău, str. N. Milescu-Spătarul, nr. 17, ap. (of.)11; tel. 069713636 Cod fiscal: 1012600001384 IBAN: MD79ML000000002251529538 Cont bancar: 2251529538 Cod bancar: MOLDMD2X329 Banca: BC,,MOLDINCOMBANK" SA</p> <p>Administrator Zaharia Nicolae</p>  	<p>Agenția pentru Eficiență Energetică Mun. Chișinău, str. Alecu Russo,1 c. f. 1011601000099 c. b. TREZMD2X Ministerul Finanțelor – Trezoreria de Stat Tel/fax:49 94 44, 31 10 01 c. IBAN: MD78TRPBAA222990A15306AB</p> <p>Director Alexandru Ciudin</p> 



52-2018_EE MD_21-09-2018

**Contract for the provision of
"Study on Energy Efficiency Potential in Moldova"**

signed between

Energy Community

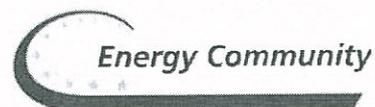
Am Hof 4, Level 5, 1010 Vienna,
AUSTRIA

Represented by Mr. Janez Kopac, Director of the Energy Community Secretariat
(hereinafter "the Energy Community" or "Secretariat")

and

Mr. Nicolae Zaharia

MD-2075, 17th Milescu Spatarul, str. Ap. 15
Chisinau, Republic of Moldova
(hereinafter "the Consultant")

**Subject-matter**

The Consultant provides the services in the form and content as described in the Service Specifications (see Annex I). The Service Specifications (Annex I), including the tasks, deliverables and the timeframe therein and the financial offer, accepted by the Secretariat (Annex II.), shall form integral part of the contract. The all-inclusive price of all activities specified within the framework of the Service Specifications is € 11 750 (excl. VAT).

Quality of services

The Consultant undertakes to provide the services required on the highest level of professionalism, necessary to fulfil the objectives of the contract.

Representation

The Energy Community Secretariat shall be represented solely by the Director of the Secretariat or a person to be nominated by him in writing in all matters related to the Contract.

Place of delivery

Place of delivery of the overall service is the seat of the Energy Community Secretariat, Am Hof 4, 1010 Vienna, Austria, unless otherwise agreed by the parties.

Language regime

All services and deliverables shall be provided in English, as well as all communication and reporting, both in writing and orally, to the Energy Community Secretariat.

Information requirements

Upon request, the Consultant will report to the Secretariat on the progress and on all developments relevant for the accomplishment of the contract and will coordinate the development of the work with the Secretariat.

The Secretariat may request the Consultant to report on the performance of the contract at any time. The Consultant shall comply with such request without delay.

The Consultant shall inform the Secretariat immediately and on his own initiative of any problems occurring in connection with the performance of the contract.

Any reporting or information mentioned in this provision shall be at the sole cost of the Consultant.

Guidance by the Secretariat

The Consultant shall perform his tasks under the operational guidance of the Secretariat throughout the whole duration of the contract.

Labour law standards

The Consultant shall comply with internationally recognized labour law standards as defined in the framework of the ILO, in particular Conventions No. 29, 87, 94, 95, 98, 100, 105, 111, 138, 182 and 183.

Further responsibilities of the Consultant

The Consultant shall be solely responsible for the compliance with all legal obligations required for the performance of the services under the contract, such as the possession and the acquisition of licenses and authorizations, the existence of insurances, the grant of visas, etc.

General terms and conditions

General terms and conditions of the Consultant shall not apply to the contract.

Subcontracting

Subcontracting of the services to be provided shall be permitted only upon prior written consent by the Secretariat.

Deliverables and Payment

First installment of 40% to be paid following the acceptance of the 1st Milestone, as detailed in chapter 3.3. of the attached Service Specifications, by the Director of the Secretariat.

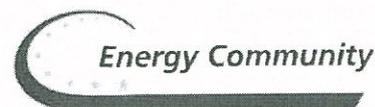
Final payment of 60% to be paid following the approval of the 4th Milestone and all deliverables as listed in the Service Specifications, by the Director of the Secretariat. .

The Energy Community shall make the payment within 3 weeks after the approval of the deliverables through a bank transfer to a bank account as indicated by the Consultant. Payment(s) require an invoice issued by the Consultant.

The Consultant shall not be authorized to incur any additional expenses to be reimbursed by the Secretariat without the latter's prior written consent. When requesting such reimbursement, the Consultant shall provide the Secretariat with a justification note and submit sufficient evidence after the expenses have been incurred.

Acceptance requirement and delay

All deliverables shall require acceptance by the Contracting Authority.



Ownership and intellectual property rights

Ownership rights and copyright or other intellectual property rights in all material produced or purchased by the Consultant in the performance of the contract shall rest with the Secretariat alone.

The Consultant shall, on their own motion, make available to the Secretariat all information and documents submitted to the Consultant in relation with the performance of the contract.

The Consultant shall ensure that all material used in performance of the contract is free from any rights of or obligations towards third parties or otherwise be liable for compensation.

The Consultant irrevocably assigns to the Secretariat all right and title and interest in and to all inventions and discoveries and all other work product of any nature, whether or not copyrightable, made, conceived, authored or acquired by the Consultant in the course of performing the services subject to the contract, and all tangible embodiments of the foregoing, all patents, copyrights, trademarks, trade secrets and all other intellectual property rights and all ownership rights therein.

The Secretariat may use, publish, assign, transfer or make available such rights as it sees fit without geographical or other limitations.

Liability and termination

The Consultant shall be liable for any breaching of or defaulting in the performance of this contract, including but not limited to cases of non-performance, late performance or faulty performance. The Consultant shall be liable for any action or forbearance of its representatives, employees, subcontractors or other persons entrusted with tasks in performance of the contract or at the occasion of performance of the contract.

The Secretariat shall be liable for any breaching of or defaulting in the performance of this contract only in case of gross negligence or intention.

The Secretariat may terminate the contract at any time with immediate effect, by a written notice. In the event of such termination the Consultant shall be paid for any portion of the services that have been performed prior to the termination.

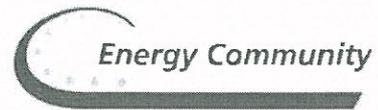
The Consultant agrees at its sole expense to defend the Secretariat against and to indemnify the Secretariat from any claims by a third party arising from the Consultant's performance of services. In case of damages sustained, the Consultant shall be liable to compensation.

Assignment of claims

No contractual party is entitled to assign any claims arising from the contract to a third party without a prior written consent of the other contractual party.

Offset

The Secretariat may offset its payment obligations towards the Consultant against any claims it might



have against the Consultant.

Confidentiality

The Consultant shall not disclose to third parties without prior written consent any information on the project in whole or in parts. The Consultant shall not disclose to third parties without prior written consent any information of non-public nature they obtained from the Secretariat or came across in the course of performing the services under the contract. The confidentiality obligation shall continue to apply after the completion of the contract. Additional legal commitments regarding data protection and secrecy remain unaffected.

Use of the name of the Energy Community

The Consultant shall not use the name of the Contracting Authority in any commercial advertisement or other promotional material, unless permitted by the Contracting Authority in writing.

Applicable law and jurisdiction

The contract shall be governed by its terms and conditions and, subsidiarily, by generally recognized principles of European civil law.

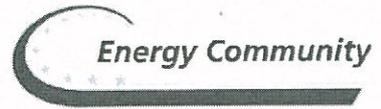
Any disputes under this contract shall be settled exclusively by a tribunal composed of a single arbitrator appointed by the Secretary General of the Permanent Court of Arbitration in The Hague, in accordance with the relevant Optional Rules for Arbitration involving international organizations and private parties.

Severability

An invalid term or provision in the contract shall not affect the validity of the remaining contract. If any term or provision is deemed invalid by the arbitrator, the parties agree to renegotiate such provision in good faith.

Modification of the Contract

This contract, including the annexes as integral parts of the contract, constitutes the sole agreement of the parties. The contract may not be amended other than in writing and duly signed by both parties.



Done in Vienna, 21 September 2018

For the Energy Community

Janez Kopac
Director

A handwritten signature in black ink, appearing to read "Janez Kopac".

A handwritten signature in blue ink, appearing to read "Nicolae Zaharia".

For the Consultant

Nicolae Zaharia

SECTION 1: SERVICE SPECIFICATIONS

Regional Study on Energy Efficiency Potential in the Republic of Moldova

1. BACKGROUND INFORMATION

Cooperation under the Commission Initiative on Central and South-Eastern European Energy Connectivity (CESEC), launched in 2015, is yielding results by strengthening solidarity and enabling a safer and more affordable gas supply to citizens and business across the region. In its fourth CESEC High Level Group Ministerial meeting in Bucharest in September 2017, the ministers from the region decided to add new dimensions to the regional cooperation to address the energy challenges faced in this part of Europe. The Ministers signed a Memorandum of Understanding (MoU), which includes a joint approach on electricity markets, energy efficiency and renewable development. It also incorporates a list of priority projects to build an interconnected regional electricity market, as well as specific actions to boost renewables and investment in energy efficiency in a region with vast growth potential in these areas.

Very limited studies exist regarding the potentials for further development for energy efficiency and for reduction of final and primary energy consumption in the residential and services sector and in industry, as well as in power generation and distribution. In 2016, the energy intensity in the Contracting Parties of the Energy Community was 6.4 times higher than the average energy intensity¹ in the European Union. Although this indicator has limitations, it illustrates the need to deepen understanding in the areas and sectors where potentials for energy efficiency are more relevant and which should be address with priority.

In 2018, under CESEC Renewable energy and Energy Efficiency initiative, the European Commission commissioned a "Regional Study on Energy Efficiency Potential in the Western Balkans". In order to complete the geographical coverage, the Energy Community Secretariat is commissioning a similar study covering Republic of Moldova.

Contracting Authority

Energy Community (EnC) represented by the Energy Community Secretariat (EnCS)
Am Hof 4/5
1010 Vienna, Austria

Profile of the implementing organisation

Energy Community Secretariat

The Energy Community is an international organisation dealing with energy policy. The organisation was established by an international treaty in October 2005 in Athens, Greece. The Treaty establishing the Energy Community brings together the European Union, on one hand, and countries from the South East Europe and Black Sea region. The organisation's seat is in Vienna, Austria. Privileges and immunities of

¹ Calculated as the gross inland consumption of energy divided by gross domestic product and indicates the amount of energy used to produce one unit of GDP (expressed in toe per million USD). Energy Community (2017).

the Energy Community are laid down in the Agreement regarding the seat of the Secretariat of the Energy Community signed on 29 May 2007².

The Energy Community Treaty extends the European Union (EU) internal energy market to its neighboring countries. The principle objectives of the Energy Community are to create a regulatory and market framework that is capable of attracting investments for a stable and continuous energy supply. This paves the way for an integrated energy market, allowing for cross-border trade and integration with the EU market. The Energy Community strives to enhance security of supply and competition, and to improve the environmental situation in its Contracting Parties.

The activities of the Energy Community are administered by the Secretariat located in Vienna. Its tasks range from the review of Treaty implementation process to the responsibility to ensure the Energy Community's budget – to which all Parties to the Treaty contribute – is spent correctly in accordance with the Work Program of the Energy Community. It employs staff and manages resources and day-to-day activities of the Energy Community.

2. OBJECTIVE, PURPOSE AND EXPECTED RESULTS

2.1. Overall objective

The overall objective is to unlock the large energy efficiency potential in the entire Energy Community.

2.2. Purpose (specific objective)

The specific objective of this assignment is to perform an in-depth analysis that assesses the potential as well as the cost and benefits of scaling-up energy efficiency measures in Moldova, particularly with regard to next decade.

2.3. Results to be achieved

The Energy Community Secretariat intends to contract a service provider able to collect relevant data, to undertake an in-depth analysis of a techno-economic options analysis on energy efficiency in Moldova by 2030.

3. SCOPE OF WORK

3.1. General

3.1.1. Geographical area to be covered

Republic of Moldova

² See also 87. *Abkommen zwischen der der Republik Oesterreich und der Energiegemeinschaft über den Sitz des Sekretariats der Energiegemeinschaft* (NR: GP XXIII RV 133 AB.S.27);

3.1.2. Target groups

The direct Beneficiary of this Technical Assistance project is the Energy Community. Republic of Moldova will be the ultimate beneficiary of the study.

3.2. Specific work

In specific, the following information and tasks are needed:

3.2.1. Collect and structure data on base year energy balances

In case the country does not report energy balances to Eurostat, the consultant shall collect, structure and report energy data for the base year (2015) from national sources and provide a full energy balance of the country following EUROSTAT energy balance standards³. The consultant shall assess and take into account what is already communicated to EUROSTAT and avoid any overlaps.

3.2.2. Collect and structure data on reference energy system of 2030

The consultant shall collect and structure key data required to produce a projection of the energy balance of each country by 2030 that reflects current country's energy plans and targets. For this purpose, the consultant shall collect as a minimum the information below:

- Demand projections:
 - Total primary energy consumption
 - Total final energy consumption
 - Demand per sector: industry, buildings (residential and services), transport.
 - Evolution of the building stock (floor area, equipment stock, renovation rates)
 - Sectoral energy intensities
 - Efficiency of the district heating plants and networks
 - Energy efficiency targets (per sector where/if available)
- Key planned policy support measures for energy efficiency, including economic incentives, regulations, other:
 - Power generation and distribution, district heating
 - Buildings renovation (public and private)
 - Energy intensity of industrial plants
 - Transport
- Plans for structural changes in the energy system:

³ Samples may be found at: <http://ec.europa.eu/eurostat/web/energy/data/energy-balances>

- Planned deployment and retirement of power generation capacity per technology
- Planned deployment and retirement of district heat generation capacity per technology
- Planned deployment and retirement of district heat networks.
- Electrification of transport, including light duty vehicles, trucks, 2 and 3 wheelers, etc.
- Objectives for modal shift in transport

In absence of official information, the consultant shall collect relevant data from existing studies and projections from non-governmental institutions or other sources to fill the data gaps for all the items described above.

3.2.3. Collect data on long-term energy and climate objectives

In addition to the (preliminary) 2030 energy plans and targets, the consultant shall collect and report any additional long-term energy efficiency objectives (beyond 2030) expressed in official government plans, if/where these exist.

3.2.4. Collect data on sectoral indicators

The consultant shall collect all the indicators below based on historic data from official or other publicly available sources for the base year 2015. For the year 2030, the consultant shall provide a projected estimate for each of the indicators based on the best available information, in the following order of priority: 1. Derived directly from official national plans and targets; 2. Derived from other existing publicly available sources; 3. Other sources or own estimations. The consultant shall provide the data source and assumptions used for each of the indicators below.

Power and heat generation

- Installed capacity per technology and fuel in power generation.
- Installed capacity per technology and fuel in district heat generation.
- Power generation disaggregated per technology and fuel.
- District heat generation disaggregated per technology and fuel.
- Share of CHP in both district heating and power generation.
- Average energy conversion efficiency of conventional plants per technology.
- Age profile of the stock of power generation capacity per technology and fuel.
- Age profile of the stock of district heat generation capacity per technology and fuel.

Buildings

- Estimated breakdown of energy end-use per application (residential and other)
- % distribution of building stock by age (residential and other)
- Total building stock floor area (residential and other)
- Estimated evolution of the floor area

- Building stock by age
- Estimated building performance (private and public buildings)
- Share of buildings in urban and rural areas
- Estimated total rooftop surface / total built surface (m²) (residential and other)
- Building stock renovation rates (residential and other)
- Current technology mix for heating and cooling (residential and other)
- Average efficiency of installed heating equipment (residential and other)
- Average efficiency of district heating plants and networks
- Estimated stock of white appliances
- Estimated performance of white appliances
- Estimated heat pump installed capacity (GW)
- Current market share of heat pumps (as % of sales for new buildings or renovations)
- Estimated use of traditional biomass (where applicable)
- M² of solar thermal panels installed (stock) and annual sales (m²/year).
- % of population served by district heating networks.
- % of buildings (residential and other) served by district heating networks.

Industry

- Estimated heat pump installed capacity (GW)
- Estimated renewable energy captured with heat pumps (GWh)
- Sectoral energy intensity
- Industrial outputs
- Industrial and commercial value added
- Average efficiency of installed process heating equipment

Transport

- Road vehicle statistics (stock evolution over last 5 years, age profile, annual sales)
- Current electric vehicle stock and annual electric vehicle sales (split for light duty BEVs & PHEV, 2/3 wheelers, electric buses, other)
- Number of charging points for electric vehicles in the country.

3.2.5. Energy efficiency potential assessment

The consultant shall identify, collect, process and report relevant information from existing literature and other sources to compile country-specific datasets of energy efficiency potential in the buildings (public and residential), industry, including power generation, and transport.

The consultant should be familiar with the Energy Community Energy Efficiency legal framework and the overall assessment should be structured in such a way to provide useful input to achieve the 2020 target set for the Energy Community and implement specific provisions. However, its main focus should be on the 2030 time-horizon.

The consultant should propose the best methodology to assess both the energy technical saving potential and the economic ones to be addressed with policy interventions by 2030.

The first type of energy savings potentials may only be an indication of the long-term technical potentials with reference, for instance, to the energy performance of existing buildings or existing industrial processes. More realistic technical potentials need to take into account the dynamic aspects in the uptake of products and equipment and the economic and financial aspects involved. The consultant should identify the best methodology for both (technical and economic/policy potentials), and clearly select criteria to define both. The methodology should focus on the energy savings potential across all the end-use sectors; and take into account as well the efficiency gains which could be achieved in the generation and supply of energy. Nevertheless, having in view the desired alignment with the CESEC EE and RE study for the Western Balkans, the Long –range Energy Alternatives Planning System (LEAP) tool may be used.

The consultant should take into account the existing assessments, also at sectoral/sub-sectoral or product group and in the country. Different methodologies may be appropriate for different sectors and sub-sectors, and they could be combined into an overall assessment.

The task shall start by providing a representation of the energy consumption (primary and final). The assessment should clearly identify energy saving potentials (in Mtoe) for the country and for each of the relevant sector and subsectors.

3.2.6. Collect data on commodity prices

The consultant shall collect country specific data per country on prices for all the major energy carriers across sector as per table below (for the year 2015)

	Power and district heat generation	Buildings	Industry	Transport
Coal	X		X	
Natural gas	X	X	X	
Fuel oil	X		X	
Heating oil		X	X	
Diesel				X
Gasoline				X
Kerosene				X
Electricity		X	X	

- Prices shall be collected both before and after applicable taxes.
- Prices shall be expressed in EUR2015/GJ (or EUR2015/MWh in the case of electricity). The consultant shall also provide the raw data collected:
 - in Moldovan Leu

- in other physical units e.g. litres, tonnes, etc.

3.2.7. Collect and structure data on socio-economic indicators

The consultant shall collect and structure data on data on socio-economic indicators, including:

- Population (current and projected to 2030)
- GDP (current and projected to 2030)
- Share of rural/urban population (current and projected to 2030)
- Historic investment in energy efficiency sector (total and split by technology) (last 5 years) and energy efficiency sector employment estimations.
 - If sector-specific data are available, consider the following disaggregation:
 - Solar PV; wind, hydro, liquid biofuels, solar thermal, solid biomass, biogas, geothermal, concentrating solar power.
- Electrification rate (current and projected to 2030)

3.3. Meetings and interim deliverables

The consultant shall deliver the following outputs:

- The following interim milestones and reports are to be provided:
 - 1st milestone: Prepare methodology, including spreadsheet database template and draft country factsheet outline, and suggest ways of optimal collaboration with the relevant institutions in the country – no later than 20 October 2018. Hold a video conference or a physical meeting with the Energy Community Secretariat to discuss methodology and content of the database, **no later than 28 October**.
 - 2nd milestone: Spreadsheet database and country factsheet **no later than 30 December 2018** – Interim Progress Report
 - 3rd milestone: Draft Final Report on potential assessment, **no later than 15 February 2019**.
 - 4th milestone: Final Report on 21 March 2019.

Meetings might be partly held as video-conferences, if appropriate.

- Attend the CESEC EE and RE working group meeting (planned in Brussels, in September or October) to present the findings to date.

3.4. Project management

In terms of project management and organisation, the TA Provider shall be responsible to coordinate work flow and take care that project is implemented in accordance with the defined work plan and time schedules.

Access of the TA Provider and its staff to certain files and documents may be limited for the sake of confidentiality protection, in accordance with the national legislation. Official contacts from Contracting Party and the TA Provider shall notify Secretariat of any such instances that may affect the performance of the service by the TA Provider.

4. IMPLEMENTATION SCHEDULE AND LOGISTICS

4.1. Start date

The assignment shall start no later than 30 September 2018.

4.2. End date

The project shall be completed in 6 months following the start date of the activities. In accordance with the planned commencement, all activities and deliverables should be performed by 21 March 2019.

4.3. Schedule for the assignment

As pointed out under 4.1, 4.2 and 6.1.2.

4.4. Location

The TA Provider shall be free to propose the working station.

5. REQUIREMENTS

5.1. Staff and qualifications

Consultant's staff and qualification:

Desired skills and competences include references in energy efficiency potential assessment.

The Professional Staff of the TA provider shall consist of one or more key experts with profound knowledge of energy efficiency in the sectors of relevance. Key expert(s) must have in-depth understanding of using methodologies and tools for estimating energy efficiency potential by 2030. Proven knowledge of the three countries will be a plus.

In order to collect the respective data the consultant needs to ensure sufficient relevant language skills and contact with local organisations, if needed.

The Key Expert(s) must have a Master degree and at least 5 years of relevant experience in tasks related to this contract. Knowledge of local language(s) (either by the expert staff or by a sub-contractor) is an advantage.

Key experts' qualifications shall be evaluated on the basis of the competence and references for the task assigned to her/him. Key expert has to demonstrate understanding of the matter, but also understanding

of organizational and procedural aspects of project implementation, proved with at least 3 earlier projects, similar in nature of the subject matter.

The TA Provider may be a natural or legal person. TA Provider may engage a subcontractor to provide key expertise or as a support staff. Support staff may be engaged for clerical and logistic matters, translation, legal expertise and similar tasks, as appropriate. Support staff shall not be taken into account for bid evaluation.

6. REPORTING

6.1. Reporting requirements

6.1.1. Interim progress report

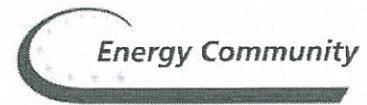
The interim progress report must summarize the interim deliverables illustrating the progress of collecting and structuring the data referred to in the end of section 6.1. This includes 1st and 2nd Milestones.

6.1.2. Final study report

The final study report must include:

- an abstract of no more than 200 words and an publishable executive summary of maximum 6 pages in English;
- Information on the different topics described in 3.2 including:
 - A summary country report of about 10-15 pages, elaborating on the key findings for sections (2), (3), (5) in the table below.
 - A comprehensive spreadsheet database(s), containing all the requested quantitative data, with extensive explanatory fields, data sources and assumptions for all the collected data.

Item	Deliverable format
(1) Base year energy balances	Spreadsheet dataset
(2) Reference energy system of 2030	Elaborated in the country report; quantitative results integrated into spreadsheet database.
(3) Long-term energy and climate objectives	Elaborated in the country report; quantitative results integrated into spreadsheet database.
(4) Sectoral indicators	Spreadsheet dataset
(5) Energy efficiency potential assessment	Elaborated in the country report; quantitative results integrated into spreadsheet database.
(6) Commodity prices	Spreadsheet dataset
(7) Additional power sector data per country	Spreadsheet dataset
(8) Socio-economic indicators	Spreadsheet dataset



The consultant shall submit the interim progress report to the Secretariat at the latest by 30 December 2018.

The consultant shall submit the draft final study report to the Secretariat at the latest by 15 February 2018. The Consultant shall submit the Final Report by no later than 21 March.

The duration of the tasks shall not exceed 6 months.

In principle, the deadlines set out above cannot be extended. The Consultant is deemed solely responsible for delays occasioned by subcontractors or other third parties (except for rare cases of force majeure). Adequate resources and appropriate organisation of the work including management of potential delays should be put in place in order to observe the above timetable.

**ENERGY CHARTER
SECRETARIAT**

CONTRACT No. 00192

EU4Energy

The Energy Charter Secretariat (“the Secretariat”), represented by the Secretary-General or his authorised representative,

of the one part,

AND

Mr. Nicolae Zaharia
17 N. Milescu Spataru, of 11
MD-2075, Chisinau,
Republic of Moldova

(“the Contractor”)

of the other part,

HAVE AGREED AS FOLLOWS:

Article 1 - Subject matter

Within the framework of the Secretariat’s activities the Contractor undertakes, in accordance with the conditions laid down in the Contract and the Annexes thereto which form an integral part of the Contract, to assist the Secretariat to implement the following task:

EU4Energy BY1.2/2018 Support to development of legislative and regulatory basis for providing energy efficiency services

Article 2 - Duration

The duration of the contract shall be from 1 September 2018 to 24 December 2018. Deadlines for the specific tasks assigned to the Contractor shall be those established in the Terms of Reference (Annex 2) or otherwise established by the contracting parties by mutual agreement during the period of the contract. All work under the Contract shall be completed by 24 December 2018 at the latest.

Article 3 - Payments

The Secretariat undertakes to pay the Contractor a fee of 500 EUR (five hundred Euro) per a day of work completed up to a maximum total number of 20 work days, being EUR 10,000 (ten thousand) for the tasks specified in the Contract and Annexes and at the specific direction of the Secretariat.

The Secretariat shall reimburse direct travel expenses (on the basis of the most economical route and the cheapest means and subject to prior written authorisation from the Secretariat) and subsistence allowances (EUR 181 per day for Minsk) incurred by the Contractor in his execution of the Contract to a maximum total value of EUR 2,000 Euro for total of 2 missions to Minsk.

All payments shall be subject to completion of all tasks to the satisfaction of the Secretariat.

The Contractor should submit invoices, receipts and supporting justification no later than one month following completion of the tasks to which they relate.

Payment shall be made within 30 days of the date of receipt of an invoice or expenses claim, the settlement date being the day the Secretariat's account is debited.

However, the Secretariat may, after informing the Contractor, defer a payment if the expenses covered by the request for payment are subject to dispute on the part of the Secretariat or if the documentation supporting the request for payment is incomplete.

Any payment deferred for these reasons does not give rise to the payment of interest or indemnities by the Secretariat.

All payment requests and any enquiries should be addressed to:

The Energy Charter Secretariat
The Assistant Secretary General
46, Boulevard de la Woluwe
1200 Brussels, Belgium

The Secretariat shall only be bound to respect the payment periods where requests for payment are sent to the above address.

All payments shall be made by bank transfer.

Any claims arising from this Contract shall not be transferable by the Contractor.

Article 4 - Applicable law

The Contract is governed by Belgian law.

Article 5 - Special provisions

Articles 3, 4, 6 and 16 of the General Conditions applicable to European Union-financed grant contracts for external actions (Annex 3) are applicable to the Contractor.

Article 6 - Disputes

Any dispute between the contracting parties arising from the Contract, which cannot be settled by mutual agreement, shall be subject to the jurisdiction of the Brussels Courts.

Article 7 - Administrative provisions

1. The Secretariat does not, under any circumstances, assume the role of employer vis-à-vis the Contractor. Furthermore, the Contractor may not make use of (or advertise) the relationship with the Secretariat in any form of written documentation.
2. Any subsequent amendment to the Contract, the Annexes or the General Terms and Conditions applicable to Contracts awarded by the Secretariat shall be the subject of a written supplementary agreement concluded on the same terms as the Contract. A verbal agreement shall not be binding on the contracting parties.
3. Any communication with reference to the performance of the Contract shall be made in writing and sent in duplicate to the following addresses:

For the Secretariat

The Energy Charter Secretariat
The Assistant Secretary General
46, Boulevard de la Woluwe
1200 Brussels
Belgium

For the Contractor

Mr. Nicolae Zaharia
17 N. Milescu Spataru, of 11
MD-2075, Chisinau,
Republic of Moldova

Article 8 – Copyright

The Secretariat shall have copyright in and property rights over all documents and information carriers resulting from the work undertaken under the Contract.

Article 9 - Provisions relating to taxation

The Secretariat shall be exempt from all taxes and dues in Belgium, including value added tax, pursuant to the relevant provisions of the Agreement between the Energy Charter Conference and the Kingdom of Belgium (“the Agreement”) with regard to its financial contribution under the Contract. The Contractor shall follow the instructions given by the Secretariat for the purpose of applying the Agreement.

The Contractor shall be solely responsible for compliance with such national tax and currency exchange legislation and regulations to which he may be subject. The Secretariat shall under no circumstances be responsible for or involved in any dispute that may arise from such duties of compliance.

Article 10 - Financial control

The Contractor shall supply the Secretariat, without delay, with any information that the latter may request concerning the implementation of the work. Throughout the duration of the tasks specified in the Terms of Reference (Annex 2) and during the five years following their completion or cessation, the Contractor shall, on eight working days notice, give all representatives of the Secretariat, whether officials of the Secretariat or third parties especially authorised to that effect, free access to all the financial documents required to verify that the tasks are or have been carried out; such documents may, if necessary, be verified at the place where they are normally kept.

Article 11 – Technical details pertaining to supply of files

In order to ensure the quality of the final report, which may later be professionally printed and distributed, the Contractor shall ensure that all electronic files are sent to the Secretariat in original format (i.e. no converted (or copied) files from e.g. jpeg or .xls to Word or other programme). All embedded objects or images in the final report must be sent as separate files in original format. Wherever possible, the Contractor shall ensure that any graphics files are high definition in order to assure an optimal printed quality level.

Article 12 - Annexes

The following documents are annexed to this Contract:

- Annex 1: General Terms and Conditions applicable to Contracts awarded by the Secretariat.
- Annex 2: Terms of Reference
- Annex 3: General Conditions applicable to European Union-financed grant contracts for external actions.
- Annex 4: Timesheet

Done in English in duplicate

For the Contractor

Date:

25/8/2015



For the Secretariat

Date: 24/8/2018



EU4Energy



Terms of Reference

EU4Energy BY1.2/2018 Support to development of legislative and regulatory basis for providing energy efficiency services

1. Background

The Republic of Belarus implements ambitious state strategy in the area of energy saving and energy efficiency. The National Energy Saving Programme for 2016-2020 sets an energy intensity reduction target to at least 2% by 2021 and the total expected saving in final energy consumption for the four years' period is 5 mln. tce. Number of legislative and regulatory acts were adopted in the last years with the latest amendments to the Energy Saving law introduced in 2015. The main instruments for implementing the policy and strategy in the area of energy efficiency and national, sectoral and regional programmes, each defining the packages with specific measures, scope and sources of financing and responsibilities.

However in order to gain in full all benefits from energy efficiency investments, such as increased energy security, reduced dependence on imported energy resources, increase employment opportunities, increased industrial competitiveness, lower emissions, policy makers should endeavour to scale up the available energy efficiency investment and remove existing barriers with the aim to create a vital and sustainable energy efficiency market.

In 2017 with the support of EU4Energy Governance, an Energy Efficiency Task Force (EETF) was established. It comprised representatives from government - Ministry of energy, ministry of economy, Gosstandard's Department for energy efficiency, as non-governmental stakeholders (industry, SMEs, business and home owners associations, banks, IFIs, service providers, etc).

The Task Force members identified and prioritized the main drivers and the existing challenges/barriers for demand and supply of energy efficiency investments in the electricity and industrial and SME sectors. In December 2017, an Energy Efficiency Investment Roadmap was adopted by the EETF, which recommended specific measures

aimed to removing the existing barriers to the scaling up investments in energy efficiency, including the existence and operation of Energy service companies.

2. Objectives

The objective of the activity would be to support the implementation of the following EETF recommendations:

- Provide the legislative and regulatory framework for developing the energy efficiency services market by amending the existing legislation, defining energy efficiency services and adopting the respective rules, procedures and model contracts;
- Provide regular information, training sessions and best practice examples to stimulate the development of an energy efficiency services market.

3. Scope of work, outputs and deadlines

The international consultant will work in cooperation with the local consultant and under the overall coordination of the Energy Charter Secretariat will implement the following activities:

- Contribute to the development of a review of the current legislative framework and the actual state of play of providing energy efficiency services and the operation of energy service companies (ESCO) (initial draft to be prepared by a local consultant);
- Based on the review, identify the main barriers and obstacles to the successful implementation of energy efficiency services in Belarus;
- Provide recommendations for necessary changes of the existing legislative framework with the aim to remove barriers and promote ESCO business in Belarus based on best international practices. The recommendations should cover, but should not be limited to:
 - existing primary and secondary legislation acts (including state and local budget legislation);
 - means for cost-effective financial promotion of ESCO business;
 - measures to enhancing awareness of local stakeholders.
- Develop draft templates to be used as a basis for drafting secondary legislative acts. The draft documents should be based on the best international practice and take into account the local conditions of Belarus. The draft templates should include, but should not be limited to:
 - Energy performance Contract (EPC) for the public sector;

- EPC for the private sector;
- Methodology for public procurement of EPC;
- Guidelines for the development of terms of reference for EPC (technical requirements, calculation of baseline consumption, monitoring of the implementation etc.).
- Provide input to 2-3 meetings of the Inter-Ministerial Working Group (IMWG) on ESCO development.
- Conduct capacity building event for the members of the IMWG and other relevant stakeholders. The event should have at least, but not limited to, the following sessions include the presentation of:
 - Exchange of information on relevant experience with ESCO from EU/Easter European and Nieghbourhood countries;
 - Identified barriers and possible solutions to the successful implementation of energy efficiency services and ESCO in Belarus;
 - Examples of overcoming the same obstacles by relevant EU/Easter European and Nieghbourhood countries;
 - 2-3 successful and 2-3 unsuccessful case studies on the implementation of energy efficiency services and contracting in EU/Easter European and Nieghbourhood countries;
 - Draft proposals for the improvement of the existing legislative framework
 - Draft templates/secondary legislation proposals as developed within this assignment.
- Develop final Roadmap report, including recommended next steps and follow-up activities for the Government of Belarus to facilitate the adoption of the proposals and draft templates/secondary legislation developed within this assignment .

All deliverables should be provided in Russian or English language.

Activity	Mandays	Deadline
1. Contribute to the development of a review of the current legislative framework and the actual state of play of providing energy efficiency services (ESCO) to be prepared by a local consultant	3	30 September 2018
2. Based on the review, identify the main barriers and obstacles to the successful implementation		15 October 2018

of energy efficiency services in Belarus		
3. Provide recommendations for necessary changes of the existing legislative framework with the aim to remove barriers and promote ESCO business in Belarus		15 October 2018
4. Develop draft templates to be used as a basis for drafting secondary legislative acts: <ul style="list-style-type: none"> a. Model Energy performance Contract (EPC) for the public sector (buildings utilities); b. Model EPC for the private sector (buildings utilities and industry); c. Methodology and guidelines for public procurement of EPC; d. Guidelines for the development of terms of reference for EPC (technical requirements, calculation of baseline consumption, monitoring of the implementation etc.) 	3 5 3	15 November 2018
5. Provide input to the meetings of the Inter-Ministerial Working Group (IMWG) on ESCO development.	1	September – December 2018 (dates tbc)
6. Propose format (including agenda, list of participants, speakers and documents) and deliver capacity building event for the members of the IMWG and other relevant stakeholders (1day or 2 half days)	2	November – December 2018 (dates tbc)
7. Contribute to the development of a Roadmap report, including recommended next steps and follow-up activities for the Government of Belarus	3	December 2018
Total	20	