REQUEST FOR EXPRESSION OF INTEREST

(CONSULTING SERVICES –FIRMS SELECTION)

**Republic of Armenia**

ENERGY EFFICIENT REGIONS: INTRODUCING MECHANISMS TO INCREASE ENERGY SAVINGS IN PUBLIC BUILDINGS AND PROMOTING “GREEN ENERGY”

**July 20, 2023**

**EFSD Grant**

**Reference No.:** **EFSD-CS/2/2023-1**

Assignment Title: Technical Supervision for energy saving measures of the following facilities:

1. Alaverdi Medical Center CJSC;

2. Lori regional administration (marzpetaran);

3. Nor Amberd Scientific Center of A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation;

4. A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation; 5. Yerevan Metropoliten CJSC named after Karen Demirchyan under Yerevan Municipality (Yeritasardakan station);

6. EGHKAGHLUYS CJSC under Yerevan Municipality.

The Republic of Armenia has received grant from the Eurasian Fund for Stabilization and Development (EFSD) in the amount of 1,719,200 (one million seven hundred nineteen thousand two hundred) US dollars toward the cost of the “Energy Efficient Regions: Introducing Mechanisms to Increase Energy Saving in Public Buildings and Promoting “Green Energy” Project, and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include supervising the compliance of the implemented construction assembling works with design documents, quality standards, current construction norms and rules, as well as prevent implementation of low-quality construction works. Technical supervision of construction works is a comprehensive measure that includes all stages of construction, which ends with signing of the **Certificate of Completion (Certificate of the Acceptance Committee on Commissioning of Completed Works).**

**Duration of assignment: 8** months (optional, to be adjusted, depending on the duration of the Contract with construction companies).

**Date of commencement of services: August, 2023.**

The detailed Terms of Reference (TOR) for the assignment are attachedto this Request for Expressions of Interest.

The **Armenia Renewable Resources and Energy Efficiency Fund (R2E2)**, acting as Project Implementation Group (“PIG”) now invites eligible firms (“Consultants”) to express their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

Qualification requirements are:

* License for implementation of technical supervision of construction works;
* Experience in the implementation of technical supervision of construction works, energy saving measures (3 similar contracts);
* Experience in the field of energy efficiency, renewable energy;
* Experience in market study of existing thermal insulation materials in the RA market;
* Equipped with quality control tools and devices, vehicles, computer and office supplies.

The shortlisting criteria are:

* General experience in technical supervision of construction works (number of completed construction works contracts within last five years). The construction works contracts are considered completed after the actual completion of construction works, without taking into account the Defect Liability period that starts after their completion.
* Specific experience in technical supervision of construction works that include energy saving measures, renewable energy components (number of completed relevant contracts within last five years).

Key Experts will not be evaluated at the shortlisting stage.

A Consultant will be selected in accordance with the Selection based on Consultants’ Qualifications method set out in the Procurement Policy for Projects Financed by the EFSD (last update in November 2018) and the Procurement Procedures for Projects Financed by the EFSD Funds (last update in November 2018) posted on the website of the EFSD[[1]](#footnote-2).

Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

Further information can be obtained at the address below during office hours 29/1 Sayat-Nova Ave., 0001 Yerevan, Armenia, +(374-10) 58 80 11, +(374-10) 54 51 21 from *09:00 to 18:00.*

Expressions of Interest in Armenian, or Russia, or English must be delivered in written form (no specific template required) to the address below in person, or electronically by E-mail by **August 3, 2023**. The subject of the E-Mail shall be: **Expression of Interest for EFSD -CS/2/2023 -1.**

Armenia Renewable Resources and Energy Efficiency (R2E2) Fund

29/1 Sayat-Nova Ave., 0001 Yerevan, Armenia

Tel: +(374-10) 58 80 11, +(374-10) 54 51 21

E-mail: zaruhi.gharagyozyan@r2e2.am

Attention: Mrs. Zaruhi Gharagyozyan

**TERMS OF REFERENCE**

***Assignment Title:* Technical supervision for energy saving measures for:**

1. Alaverdi Medical Center CJSC;

2. Lori regional administration (marzpetaran);

3. Nor Amberd Scientific Center of A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation;

 4. A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation;

5. Yerevan Metropoliten CJSC named after Karen Demirchyan under Yerevan Municipality (Yeritasardakan station);

6. EGHKAGHLUYS CJSC under Yerevan Municipality.

**CONSULTING COMPANY**

***Duration of assignment:*** *8 months (optional, to be adjusted depending on the duration of contract with construction companies.*

# *Date of commencement of services:*

# *August, 2023 - (optional, to be adjusted, when the Contracts with construction companies are signed).*

# INTRODUCTION

The Republic of Armenia received financing from the Eurasian Fund for Stabilization and Development (EFSD) toward the cost of the “Energy Efficient Regions: Introducing Mechanisms to Increase Energy Saving in Public Buildings and Promoting “Green Energy” Project”. The Project development goal is to reduce energy consumption of social and other public facilities. The global environmental objective is to decrease greenhouse gas emissions through the removal of barriers to the implementation of energy efficiency investments in the public sector.

The objective of Project is to improve energy efficiency in public buildings by increasing the level of energy saving in public buildings, promoting the development and formation of infrastructure entities providing energy services, as well as raising awareness among representatives of regional authorities about the effectiveness, principles and mechanisms for attracting energy saving loans.

# OBJECTIVE AND SCOPE OF WORK

The objective of the assignment is to supervise the compliance of the implemented construction works, energy saving measures with design documents, quality standards, current construction norms and rules, as well as prevent implementation of low-quality construction works. Technical supervision of construction works, energy saving measures is a comprehensive measure that includes all stages of construction, which ends with signing of the **Certificate of Completion (Certificate of the Acceptance Committee on Commissioning of Completed Works).**

# *Technical supervision will be implemented in the following sites:*

1. Alaverdi Medical Center CJSC;

2. Lori regional administration (marzpetaran);

3. Nor Amberd Scientific Center of A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation;

4. A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation; 5. Yerevan Metropoliten CJSC named after Karen Demirchyan under Yerevan Municipality (Yeritasardakan station);

6. EGHKAGHLUYS CJSC under Yerevan Municipality.

The Consultant shall mobilize the staff within 3 days since signing the contract.

The scope of works includes:

* Visit the construction site and have a kick-off meeting with representatives of Contractor and R2E2 Fund engineers.
* Implementation of all required supervision (pursuant to Order №44 of the Urban Development Committee of the RA about Implementation of Technical Supervision over the Quality of Construction) over the installation, registration and testing of engineering devices by the Contractor.
* Inspection of the quality and technological order of all construction works, energy saving measures compliance with design, construction standards and regulations, specifications, schedules and standards applicable in accordance with the RA legislation.
* Interim acceptance of installation of energy-saving materials and preparation of relevant acts.
* Signing of interim Acts and Certificate of Completion (Certificate of the Acceptance Committee on Commissioning of Completed Works).
* Permission to make changes to design solutions during construction.
* Verification of relevant quality certificates for the materials used during the construction.
* Recording of the observations, comments and information about their elimination in the Construction management journal.
* Participation in authorized supervision, urban planning control and quality inspections conducted by the other authorized bodies, and following to timely elimination of identified deficiencies.
* Monitoring of the construction schedule.
* In case of uncompleted works and shortcomings, making a list and setting deadlines for their elimination.
* Acceptance of frozen (conserved) or suspended facilities from construction organizations, as well as their exclusion by Act, indicating technical state of these facilities.
* Review and approval of Acceptance Acts.
* Preparation and approval of Acts of all types of hidden works.
* Participation in preparation and approval of test reports (prepared by certified laboratories) for all types of equipment and all types of networks.
* Compliance monitoring with health and labor safety rules.
* Supervision of ESMPs implementation by Contractor. ESMPs will be provided by PIU.

**Qualification requirements:**

Qualification requirements for the company:

* License for implementation of technical supervision of construction works;
* Experience in the implementation of technical supervision of construction works, energy saving measures (3 similar contracts);
* Experience in the field of energy efficiency, renewable energy;
* Experience in market study of existing thermal insulation materials in the RA market;
* Equipped with quality control tools and devices, vehicles, computer and office supplies.

The Consultant's key staff must be comprised of:

* Civil engineer,
* HVAC and Thermal Engineer,
* Renewable Energy expert.

**Qualification requirements of key staff:**

**Civil engineer**

* Higher education in construction,
* 3 years’ experience in implementation of technical supervision of construction works (3 similar contracts).

**HVAC and Thermal Engineer**

* Higher education in construction or energy,
* 3 years’ experience in implementation of technical supervision of construction works (3 similar contracts),
* Experience in implementation of technical supervision that includes energy efficiency elements (3 similar contracts).

**Renewable Energy expert**

* Higher education in construction or energy,
* 3 years’ experience in implementation of technical supervision of construction works (3 similar contracts),
* Experience in implementation of technical supervision that includes Renewable Energy elements (3 similar contracts).

# DELIVERABLES AND TIMELINE

To supervise the construction works, energy saving measures, the Consultant shall visit the construction site, prepare reports and deliver the following reports to the Client.

Deliverable 1 - Monthly Progress Reports.

Reports content:

Progress, quality, compliance with the schedule of construction works and energy saving measures as specified in Order №44 of the Urban Development Committee of the RA about Implementation of Technical Supervision over the Quality of Construction. Status of environment, health and labor safety measures implementation in accordance with ESMPs.

Monthly Progress Reports shall be submitted in Armenian electronically and in paper form (in one copy) on monthly basis. R2E2 Fund shall review and comment them within 7 (seven) days since their submission.

Deliverable 2 - Final Reports upon completion of construction works of each Facility.

Reports content:

Final conclusion about the compliance of the implemented construction works and energy saving measures with design documents, quality standards, existing construction norms and rules as specified in Order №44 of the Urban Development Committee of the RA about Implementation of Technical Supervision over the Quality of Construction.

Final Reports on each Facility shall be submitted in Armenian electronically and in paper form (in one copy) upon completion of construction works. R2E2 Fund shall review and comment them within 7 (seven) days since their submission.

All deliverables shall be addressed to the Head of Technical Department Mr. Hrant Ter-Gabrielyan hrant.tergabrielyan@r2e2.am, Armenia Renewable Resources and Energy Efficiency Fund, 29/1 Sayat-Nova, Yerevan, Armenia.

1. https://efsd.org/en/about/documents/policies\_and\_procedures/ [↑](#footnote-ref-2)