

Request for Expression of Interest

REOI-BESS/ICE Local Engineering Services

REOI – MESA -2024 - 003

Activity Title: Local Engineering Services to support Installation of a Battery Energy Storage System and Internal Combustion Engines in Moldova, 2024 -2026

Issue Date:	June 19, 2024
Deadline for Receipt of Questions:	July 1, 2024 at 1:30 pm (EET/Moldova)
Closing Date and Time:	July 12, 2024 at 1:30 pm (EET/Moldova)

REQUEST FOR EXPRESSION OF INTEREST (REOI)

Issuance of this REOI does not constitute an award commitment on the Tetra Tech ES, Inc., nor does it commit to pay for any costs incurred in preparation or submission of comments/suggestions of a response. Responses are submitted at the risk of the offerors. All preparation and submission costs are at the Respondent's expense.

I. INTRODUCTION

The Moldova Energy Security Activity (MESA), funded by United States Agency for International Development (USAID) and implemented by Tetra Tech ES, Inc. is working to strengthen Moldova's energy security by: (1) advancing physical and market integration of the Moldovan energy sector with Europe; (2) increasing renewable energy integration; and (3) increasing investment in energy efficiency and domestic power generation, particularly through increased adoption of renewable energy technologies.

MESA is now tasked to deploy critical flexibility assets for frequency control reserves (FCR) and automatic frequency restoration reserves (aFRR) that will increase the reliability and stability of Moldova's transmission system. MESA's delivery, installation, and commissioning of a battery energy storage system (BESS) of up to 75 MW and internal combustion engines (ICE) of up to 20 MW will enable Moldova's transmission system operator (Moldelectrica) to provide the requisite balancing services to its neighbors and facilitate the integration of domestic solar and wind resources to strengthen its energy security.

2. PURPOSE

Tetra Tech ES, Inc. intends to procure an Engineering, Procurement, and Construction (EPC) contractor to design, install, and commission the BESS and ICE assets at locations to be determined in Moldova.

The intent of this Request for Expression of Interest (REOI) is to develop a prequalified list of local engineering firms that may be referred to EPC contractors, either bidding or delivering works and services to Tetra Tech ES, subject to any conflict of interests.

Prequalified local engineering firms, if selected, may partner with the EPC contractor to support various tasks and requirements for the procurement and installation of BESS and ICE flexibility assets at location(s) in Moldova to be determined. Firms may also be considered for direct hire with Tetra Tech ES, Inc.

Prequalified local engineering firms will be considered with priority, over non-prequalified local engineering firms, for upcoming opportunities to provide engineering services in the planning, design, installation, and commissioning of the BESS and ICE assets.

3. SCOPE OF WORK

Local engineering companies will support a third party EPC Contractor or Tetra Tech ES, Inc. for the design and installation of battery energy storage systems (BESS) and internal combustion engine (ICE) generators.

The anticipated performance period is August 2024 through September 2026.

Services will be performed and delivered in Moldova.

Prequalified local engineering companies will provide engineering services and technical support on BESS and ICE installation and works. A typical list of the projects that may be undertaken is provided below:

1. BESS and ICE civil engineering scope
2. High voltage skid/switchyard, Electrical transmission lines
3. Gas and water regulator skids
4. Fire protection systems
5. Power Control Module (PCM) design & installation
6. Perimeter fencing
7. Person/vehicle route access design & construction

Engineering services that may be required include the following:

1. Soil investigations and materials testing services
2. Topographic surveying and geodetic mapping including environmental impact assessment
3. Hybrid architectural design
4. Civil engineering
5. Mechanical engineering
6. Electrical engineering
7. Plumbing engineering (Gas) (Gas and Water supplies)

4. QUALIFICATIONS

Respondents to this REOI must have the following qualifications to be considered for prequalification:

1. Must be currently registered and licensed to provide professional engineering or technical services in Moldova.
2. Must have at least five (5) years of experience providing the services described in Section 3 – Scope of Work.
3. Must have at least five (5) projects completed within the previous three (3) years in either the energy, electricity, power generation, industrial plant, or civil works sector.
4. Must have proficiency in speaking, reading, and writing in English on a professional basis.

5. SUBMISSION OF RESPONSES

All Responses are due on July 12, 2024 by no later than 1:30 pm local time in Moldova. Responses must be submitted via e-mail to MESABIDS@tetrattech.com in the following formats: Adobe Acrobat and Microsoft Word and/or Excel.

6. QUESTIONS AND CLARIFICATIONS

All questions or clarifications regarding this REOI must be in writing and submitted, in English, to MESABIDS@tetrattech.com on July 1, 2024 no later than 1:30 pm local time in Moldova. Questions and requests for clarification, and the responses thereto, will be circulated to all EOI recipients. Only written answers from Tetra Tech will be considered official and carry weight in the REOI process and subsequent evaluation. Any answers received outside the official channel, whether received verbally or in writing, from employees or representatives of Tetra Tech, or any other party, will not be considered official responses regarding this REOI.

7. INSTRUCTIONS TO RESPONDENTS

All Offerors must follow the instructions set forth herein in order to be qualified for the MESA BESS/ICE prequalification list.

A. Organization's Information

1. Organization's information, including official registered title, type of business, list of offices if applicable, address, telephone, fax and website.
2. Organization's business registration number(s) and professional licensure as required
3. Authorized point of Contact with phone number(s) and email address.
4. General statement about the firm, years in operation, and products/services provided.

B. Company Technical Capability

Description of the organization, including activities/qualifications, with narrative specifically relevant to the scope of work requested.

C. Services Available

Describe or list the engineering or technical service(s) the organization is able and willing to provide.

D. Key Staff

Provide a short narrative that includes the following:

- I. Management Team and Key Technical Staff composition (names, specialties/area of expertise, position/role, etc.) and professional bios.
 - a. Name
 - b. Title and/or Technical Specialty
 - c. Education
 - d. Years of professional experience
 - e. Language fluency

Respondents should complete and include the table below:

Name	Title/Specialty	Education	Professional Experience (years)	Language Fluency

E. Company Past Performance

Respondents should provide a summary of relevant studies or other assignments including the Title, Client, Date and a brief description. The qualifications section is limited to five of the most relevant projects or other assignments performed in the last five years, presented in the following table format. If the client is confidential, simply list “confidential”.

Title of Assignment	Description of the assignment and services provided	Client Name	Dates of Execution
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5. Other Information

Interested firms may submit other information further describing their organizations and qualifications such as brochures, project description sheets, photos, and similar marketing materials to further illustrate their capabilities. Such information should not be referenced, linked, nor directly used in the aforementioned sections (sections 7.1-7.4) in order to reduce or omit the information requested in such sections.

8. EVALUATIONS AND PREQUALIFICATION LIST

Responses will be reviewed by Tetra Tech ES, Inc. for consideration for the BESS/ICE list of prequalified local engineering companies and construction contractors to support upcoming engineering and technical services opportunities. Respondents will receive notification regarding their Response and prequalification status within 30 days of receipt of said Response.

The BESS/ICE list of prequalified local engineering companies and construction contractors may be shared with third parties bidding on the anticipated EPC BESS/ICE delivery contract. Respondents wishing their qualifications and contact information not to be referred to third parties should indicate such in their Expression of Interest. Respondents may include a statement of approval granting permission to Tetra Tech ES, Inc. to release information to third parties explicit only to BESS/ICE EPC bidders.