SOURCES SOUGHT/REQUEST FOR INFORMATION

Solicitation Number: DE-SOL-0010519

Title: Hanford 222-S Laboratory Contract

THIS ANNOUNCEMENT IS A REQUEST FOR INFORMATION (RFI) ONLY. THIS IS NOT A REQUEST FOR PROPOSALS AND SHALL NOT BE CONSTRUED AS A COMMITMENT BY THE GOVERNMENT TO AWARD A CONTRACT.

No solicitation is available. This RFI is released pursuant to FAR 15.201(e), Exchanges with Industry, and is issued for the purpose of conducting market research.

The U.S. Department of Energy (DOE), Office of Environmental Management (EM) is currently in the acquisition planning phase for potential upcoming competitive procurement for the management and services of the 222-S Hazard Category 3 Nuclear Laboratory Complex at the DOE Hanford Site, hereafter referred to as “Hanford 222-S Laboratory Contract.” Established in 1943, the Hanford Site’s original mission was to produce plutonium for national defense. Operations to make the raw materials for nuclear weapons continued until the late 1980s. The waste remaining from those operations is a potential threat to human health and the environment including the Columbia River. In 1989, Hanford’s mission shifted from production of weapons material to waste management and environmental cleanup. The U.S. Department of Energy, Office of River Protection (ORP) is responsible for providing analytical chemistry production services, research studies and analysis, and has ownership of the 222-S Analytical Laboratory Facilities to support the Hanford Site environmental cleanup.

The purpose of this RFI is to solicit input from interested parties with the specialized capabilities necessary to meet all or part of the requirements, of the elements of scope, for the upcoming competitive procurement for “Hanford 222-S Laboratory Contract.” Information is provided on the EM Consolidated Business Center (EMCBC) website – https://www.emcbc.doe.gov/SEB/222S_Lab/ – to assist industry with the preparation of interested parties’ capability statements (as defined later in this announcement). The information on the EMCBC Website will be updated as it becomes available; therefore, interested parties should monitor the EMCBC Website for additional information. Within these capability statements, DOE is seeking feedback from interested parties regarding options for innovative approaches for the performance of scope elements as well as insight into potential contracting alternatives to achieve the EM goals for “Hanford 222-S Laboratory Contract” https://www.emcbc.doe.gov/SEB/222S_Lab/ – to assist industry with the preparation of interested parties’ capability statements (as defined later in this announcement).

Due to the preliminary stage of this planning activity, there is no performance work statement available at this time. The type of contract, period of performance, amount of funding, or set aside possibilities are to be determined. Scope is anticipated to include operation and management of the entire 222-S Analytical Laboratory Complex in support of the Hanford Site Mission. The major elements of scope include, but are not limited to:
• **Integrated Planning**
  o Coordinate with Hanford Site Contractors to develop integrated Hanford Site-wide analysis plans, data quality objectives, and provide process and analytical technology support.
  o Develop mutually agreed upon interfaces with Hanford Site Contractors to support their analytical chemistry sampling needs and other chemistry support.
  o Determine, implement, and report sample analysis rates and waste generation estimates to effectively manage commitments and personnel.

• **Manage Laboratory Operations**
  o Safely operate and maintain the 222-S Complex Facilities and supporting infrastructure systems including safeguards and security, and emergency response.
  o Maintain an Integrated Safety Management System.
  o Implement Quality Assurance and Program Description.
  o Maintain command and control through central shift manager.
  o Ensure efficient and effective conduct of operations, conduct of maintenance and conduct of engineering.

• **Sample Analytical Chemistry**
  o Perform sample receipt and preparation activities associated with Hanford Site samples sent to the 222-S Analytical Laboratory.
  o Perform sample analysis including inorganic, organic and radiochemistry analysis.
  o Provide hardcopy and electronic data reports/deliverables to Hanford Site Laboratory customers.
  o Perform supporting activities to maintain laboratory readiness and compliance.

• **Materials Science**
  o Analyze and improve equipment used in the treatment and processing of highly radioactive waste at the Hanford Site and other EM sites. Perform waste characterization to improve waste treatment processes.

• **Process Development**
  o Develop new analytical processes and perform research as needed to support the EM Mission.

• **Instrumentation & Equipment**
  o Provide analytical instrumentation and support equipment to ensure capability, capacity, storage, and reliability are available to support Hanford Site cleanup schedules.
• **Radiological Safety**  
  o Provide a radiological protection program to perform 222-S Analytical Laboratory operations and maintenance.

• **Waste Management**  
  o Manage, treat, and store sample wastes generated at the 222-S Analytical Laboratory and Hanford Site Contractors.  
  o Assist other Hanford Site Contractors with disposal of sample waste.

• **Regulatory Authorization & Compliance**  
  o Develop, evaluate, and maintain authorization basis documentation, environmental permitting, and other regulatory compliance documentation and perform the necessary compliance activities as required for a DOE Hazard Category 3 Facility.

• **Maintenance**  
  o Provide maintenance, routine calibrations, repairs, and engineering functions.

• **Upgrades**  
  o Plan and execute upgrades to the 222-S Analytical Laboratory Complex and equipment to support safe, reliable, and compliant operations according to the life cycle management plan.  
  o Continually evaluate facilities and operations to improve analytical processes, cost effectiveness, safety enhancements, and proactively seeking enhancements to progress the Hanford Site Mission.

• **Transportation**  
  o Hanford Site Contractors are responsible for transportation of their samples to the Laboratory.

• **Miscellaneous Mission Requirements**  
  o Legal support  
  o Pension and benefit plans

DOE is seeking interested offerors with specialized capabilities necessary to successfully perform all or a portion of the major elements of scope enumerated above. The North American Industry Classification System (NAICS) code for this requirement is 562910, and the small business size standard is 750 employees. **THIS ANNOUNCEMENT IS NOT A REQUEST FOR PROPOSALS (RFP) AND SHALL NOT BE CONSTRUED AS A COMMITMENT BY THE GOVERNMENT TO AWARD A CONTRACT AT THIS TIME.** In order for DOE to assess set-aside possibilities under the NAICS code and size standard specified above, interested parties shall identify their company as one or more of the following: 1) small business; 2) 8(a) business; 3) HUBZone small business; 4) small disadvantaged small business; 5) woman-owned small business; 6) service-disabled veteran-owned small business; or 7) large business. Small business teams or joint ventures shall identify the socio-economic status of each member and shall provide the capabilities of each member, as well as a description of the work that each
member would perform under a contract, keeping in mind the requirements of FAR 52.219-14, *Limitations on Subcontracting*.

Capability statements should include the following information as appropriate and applicable:

1. Describe your approach (technical, management, regulatory, execution) to meeting all or a portion of the major elements of scope.

2. Provide a summary of experience and performance record covering the past five years. Identify all DOE, other government, or other commercial experience relevant to this RFI, specifically:
   - Operating nuclear facilities, highly complex operating facilities, or both
   - Maintaining a radiochemistry analytical nuclear laboratory
   - Performing sample analytical chemistry analysis
   - Performing material science analysis on equipment and nuclear waste
   - Developing inorganic, organic and radiochemistry analysis
   - Implementing radiological safety and industrial hygiene programs
   - Working with stakeholders, tribal governments, citizens’ advisory boards, and regulatory agencies at the state and federal level
   - Operating within and maintaining a documented safety analysis
   - Subcontracting specialized work and/or experience as a subcontractor
   - Supporting the design and construction of Laboratory modification and upgrades

3. The contractor may be required to participate in the multi-employer pension and welfare benefits plans for the existing workforce covered by such plans while performing the requirements of any resultant procurement supporting the EM goals for the environmental cleanup projects and Hanford Site infrastructure and services at RL. Discuss your experience over the last 5 years (or that of any teaming partners) and performance in sponsoring employer pension and benefit plans at DOE sites.

4. Discuss your experience in implementation of environmental, safety, and health plans related to your (and any teaming partners) work on industrial facilities, nuclear facilities, or both. This discussion should address your approach to complying with federal and state laws, regulations, and government directives.

5. Discuss how you have implemented a safety culture within your organization.

6. Describe your experience in developing and implementing an effective quality assurance program and how you met NQA-1* requirements.

7. Describe your approach and rationale for contracting alternatives type of contract, period of performance, set-aside possibilities, and incentives) for the provided scope elements.
8. Identify potential areas within any elements of the scope that may be appropriate for a fixed price or indefinite delivery/indefinite quantity contract structure and provide the rationale.

9. Identify any challenges and risks in meeting the requirements in the Summary Scope of Work. Identify how your organization would minimize those risks.

All interested parties are hereby invited to submit a capability statement, of no more than 20 double-sided pages in total, no smaller than 12-point font, and no more than 20 megabytes (MB) total for an electronic transmission to: 222-SLab@emcbc.doe.gov. The government will review each capability statement based on the interested parties’ (and that of teaming partners when applicable) demonstrated qualifications, capabilities, expertise, experience, and past performance in each of the scope areas specified to their area of interest and expertise. Interested parties are requested to provide each firm’s name, point of contact, telephone number, email address, address of firm, CAGE code, and DUNS Number.

The government will not reimburse preparation costs nor otherwise provide compensation for any information that is provided in response to this announcement. All capability statements shall be submitted electronically to: 222-SLab@emcbc.doe.gov, no later than 5:00 p.m. Eastern Standard Time on Thursday, September 21, 2017. Any questions pertaining to the announcement should also be directed to: 222-SLab@emcbc.doe.gov. DOE personnel may contact firms responding to this announcement to clarify a responder’s capabilities and other matters as part of this market research process.

In addition to this RFI, DOE plans to provide a site tour to interested parties planned for August 29, 2017. DOE also plans to conduct an up to 45-minute-One-on-One Information Exchange sessions with each interested party, August 29-30, 2017.

Interested parties desiring to participate in the tour, the One-on-One Information Exchanges, or both, are requested to provide the firm’s name, address, names of representatives, and contact information no later than 5:00 p.m. Eastern Standard Time on Monday, August 21, 2017 to: 222-SLab@emcbc.doe.gov. Only United States citizens (no foreign nationals) are authorized to participate and space is limited to two representatives for each interested party. DOE will send the interested parties specific date, time, and locations for the tour and the information exchange session.

DOE reserves the right to use any and all information submitted by, or obtained from, an interested party in any manner DOE determines is appropriate, including, but not limited to, the creation of a competitive solicitation. Interested parties shall not include any classified information in its response. Also, an interested party should avoid including any business confidential, and/or proprietary information in its response. However, if an interested party must submit such information, the information must be clearly marked, and sufficient justification provided as to why such information is business confidential and/or proprietary. DOE will review said information and safeguard it appropriately.

*NQA-1 requirements are defined as the certification of the quality assurance program for organizations that supply items or services that provide a safety function for nuclear facilities in conformance with the requirement of the American Society of Mechanical Engineers (ASME) NQA-1 standard.