December 26, 2019

Dear Interested Parties:

REQUEST FOR EXPRESSIONS OF INTEREST –WRAP FACILITY – ROOF REPAIR / REPLACEMENT

CHPRC Hill Plateau Remediation Company, LLC (CHPRC) as a prime contractor to the U.S. Department of Energy is issuing this request for Expression of Interest (EOI) / Sources Sought Announcement as a means of conducting market research to identify parties having an interest in the Waste Receiving and Processing Facility (WRAP) roof repair / replacement project.

Interested firms are invited to submit an expression of interest letter with qualifications and experience statements to include a response to the following:

CHPRC oversees operations at the WRAP, located in the 200 West Area of the Hanford Site in Washington State. WRAP is a Hazard Category 2 nuclear facility designated to receive radioactive waste, treat, repackage, certify and ship the waste to a final repository. The WRAP building structure, including its roof, is credited as Safety Significant to ensure waste is contained in the building during various accident scenarios for ventilation confinement, and natural phenomena hazard mitigation (wind, seismic, snow, rain).

The WRAP Facility is a 38,000 square foot, manufactured, metal building, UBC Type II-N (Type II per NFPA 220). The exterior walls and roof are steel panel construction. The steel panels are a composite urethane foam core sandwiched with adhesive between 24 gauge steel panels. The roof is 25 years old. There is clear evidence of water inside the foam-filled panels. As a result, the WRAP roof cannot be relied upon to support uninterrupted, long term building operations.

A series of issues with the WRAP roof became evident immediately after its original construction. Refer to CP-63969 for roof description information and details of these issues leading to interest in repair or replacement options.
Scope of Services: The services to be acquired may include, but are not limited to the following: design/build services for repairing, replacing, or installing an overbuild roof solution for the WRAP facility.

Requirements

- Roof shall have a minimum design life of 25 years.
- Panels are Safety Significant items subject to commercial grade dedication requirements and ASME NQA-1 verification/inspection.
- The WRAP facility contains sensitive equipment. Therefore, roof opening sizes are to be managed by the construction contractor so closure by temporary or permanent means can be achieved in event of inclement weather and when unmanned.
- Repair, replacement, overlay, or overbuild solution shall be within the existing load capacity of the purlins, and building frames based on the code of record for repairs, or current requirements for replacement.
- Solutions for roof replacement shall
  - Have a minimum insulation value of R-35 / U-0.028 (IECC), and meet the requirements of Class 1 construction as defined in FM Global Property Loss Prevention Data Sheets 1-28R, Roof Systems, and 1-31, Metal Roof Systems (Ref. DOE-STD-1066-2012, 4.2.4.4).
  - Interface with NRTL approved/listed joint system installed between CMU walls.
  - The underside of the existing roof panels may contain some incidental radiological contamination and require Radiological Worker II training and clothing for handling and disposal.

The project prefers work to be performed from outside of the facility.
THERE IS NO SOLICITATION AT THIS TIME. This request for capability information does not constitute a request for proposal and submission of any information and response to this market survey is purely voluntary. CHPRC assumes no financial responsibility for any costs incurred.

CHPRC will evaluate market information to ascertain potential market capacity to provide services consistent with those described in this EOI. Telephone inquiries will not be accepted or acknowledged, and no feedback or evaluations will be provided to companies regarding their submissions.

Revision 1

The following questions and answers are incorporated into this expression of interest:

1. **Question:** Is another layer of insulation required?  
   **Answer:** No, new insulation is only required if the existing insulation is removed.

2. **Question:** Will the existing roof system support the additional load?  
   **Answer:** This will need to be analyzed during design phase of the project.

3. **Question:** This system may not meet the FM Global requirements without an Engineering review. How important is this rating?  
   **Answer:** This rating is a requirement. It is anticipated to complete an engineering review during the design phase of the project.

Submission Instructions: Interested parties who consider themselves qualified are invited to submit a capability statement in response to this EOI no later than **4:00 P.M. Pacific Standard Time, February 5, 2020**. The capability statements shall be no more than a total of twenty-five (25) pages (excluding Item 6), and no smaller than 12 point font. Responses must be emailed to ricky_l_franzen@rl.gov. The subject line shall be “CHPRC-EOI-RLF-11112019 REV 1 - [your firm]”.

At a minimum, interested party’s response shall contain the following information:

1) Organization name, address, email address, web site address, and telephone number, business size standard for the organization;

2) Socio-economic status (small business, service-disabled/veteran-owned small business, HUBZone small business, small disadvantaged business, and/or woman-owned small business, or large business). The applicable North American Industry Classification System (NAICS) code assigned to this procurement action is 238160 (Roofing Contractors).

3) Tailored capability statements addressing the particulars of this effort, with appropriate documentation supporting claims of organizational and staff capability. If significant subcontracting or teaming is anticipated in order to deliver technical capability, organizations should address the administrative and management structure of such arrangements.
   a. Brief discussion on the preferred test/requalify/overlay, partial replacement, new overbuild roof system, roof repair, or replacement approach for the WRAP roof repair / replacement.
b. Include a discussion (pros/cons) on the feasibility to preferred approach as opposed to a complete roof replacement.

4) A non-binding rough order of magnitude (ROM) cost estimate for the technical approach including all components/services. Interested parties should assume five (5) hours of productive time on a 4x10 work week.

5) A non-binding ROM schedule and any qualifying condition for meeting the schedule.

6) An uncontrolled copy of the firm’s Quality Assurance (QA) program manual unless it has been previously approved by CHPRC. If the firm’s manual has been previously approved by CHPRC, the manual shall be updated to make it current and resubmitted to CHPRC with the firm’s response. If the manual has not changed since its previous approval by CHPRC, a statement to this effect is all that is require for this submittal.

CHPRC reserves the right to use information submitted by, or obtained from, an interested party in a manner CHPRC determines is appropriate, including, but not limited to, the creation of a competitive solicitation based on submitted concepts.

CHPRC looks forward to hearing from you regarding this request.

You may contact me at Ricky_L_Franzen@rl.gov with any questions regarding this matter. In the email, the subject line shall be “CHPRC-EOI-RLF-11112019 REV 1 - [your firm]”

Sincerely,

Ricky Franzen
Senior Contract Specialist

[RLF/rlf]

Attachment(s)
Attachment 1 – CP-63969, Building 2336W Roof Technical Evaluation