Expression of Interest

Uranium Processing Facility Electric Recovery Furnace

B & W Y-12 National Security Complex

B&W Y-12, L.L.C., (hereafter known as "Y-12"; for additional company information, see website (www.y12.doe.gov), acting under its Prime Contract No. DE-AC05-00OR22800 with the United States Department of Energy (DOE), is soliciting an Expression of Interest (EOI) for the design with an option to fabricate, test, and provide installation support for Electric Recovery Furnaces for use at the Y-12 National Security Complex in Oak Ridge, Tennessee.

This request for EOI does not constitute an invitation for sealed bids, a request for proposals, or offers. **This EOI is explicitly for the design with an option to fabricate, test, and installation support of Electric Recovery Furnaces.** The purpose of this request is to identify prospective and qualified small business firms. Reponses received will be used for planning purposes and determining candidates for subsequent procurement actions, if any. It is the Company's intent to make this procurement a Small Business Set-Aside if adequate small business participation is available. However, firms of any size that meet the criteria below are encouraged to submit the required criteria.

After evaluating responses to the EOI, the company will determine if an adequate number of qualified small businesses are interested to allow for a competitive Small Business Set-Aside. If so, the company will issue a Request for Proposal (RFP) to the qualified small businesses which responded to the EOI. If it is determined a sufficient number of small businesses are not available, the company will issue a Request for Proposal to small and large businesses. Firms that do not respond affirmatively to all the qualifying criteria during the EOI phase will not be eligible for subsequent procurement actions.

The North American Industry Classification (NAICS) Code for this EOI is 333994. The small business size standard is 500 employees. The following criteria has been established for vendors interested in the opportunity to design with the option of fabrication, testing, and installation of Electric Recovery Furnaces with electric afterburner, structural support frame (floor mounted) for the furnaces, structural support frame for the afterburners, utility control panel/cabinets, microprocessor based programmable controllers and power supply cabinets. Please provide a brief statement to support each affirmative response.

Description and characteristics of equipment:

- Front loading forced air convection furnace with flat floor for loading of furnace charge in furnace trays. The furnace will be integrated with a glove box.
- Heat delivered by 4 each Airtorch ™ (or equivalent) high temperature electrical resistance process air heaters for a maximum operating temperature of 700 degree C.
- Programmable Logic Controllers and Human Machine Interface.
- Overpressure protection.
- Operate in Air atmosphere.

A. Has your organization designed, fabricated, tested, and provided installation support for an Electric Recovery Furnace as a product for at least five years?

☐ Yes ☐ No

If Yes, provide at least three references with customer name, customer contact, approximate value of contract, pictures of the Electric Recovery Furnace and date of product delivery.

B. Does your organization have the facilities, equipment, and personnel required to design, fabricate and test the Electric Recovery Furnace prior to delivery, and then provide installation support of the Electric Recovery Furnace?

☐ Yes ☐ No

If response is yes, provide a description of your organizations facilities and personnel qualifications.

If response is no, provide the name of the organization(s) that would be providing the design, fabrication facilities and personnel required to complete this project.

C. Does your organization have a quality program?

☐ Yes ☐ No

If response is yes, complete and return the attached Supplier Qualification Questionnaire and provide a copy of any third party audits conducted during the past three years.

D. Does your organization have a Commercial Grade Dedication Program (CGD)?

☐ Yes ☐ No

If response is yes, provide a list, by title, of your organizations CGD implementing procedures.

E. Can your company supply hardware which is UL-508A approved?

☐ Yes ☐ No

If response is yes, provide a statement on how your organization accomplishes this.

F. Is your company a United States owned company, or alternatively are you a company with at least 51% of the cost to manufacture your product arising from U.S. content?

☐ Yes ☐ No

If response is no, provide the country(s) of manufacture.

INCLUDE G ONLY IF, AT ANYTIME DURING DESIGN, FABRICATION, AND/OR INSTALLATION SUPPORT, CLEARANCES ARE REQUIRED

G. Does your organization have personnel or is partnered with a company which has personnel with DOE "Q" clearances or equivalent?

☐ Yes ☐ No

If response is yes, list the number of people and type of clearances currently active.

INCLUDE H, IF SPECIFICATION IS ITAR

H. Are you and your subtiers "Registered" and "Licensed" with the State Department, in accordance with the International Traffic in Arms Regulations Part 121, Category 16, Nuclear Weapons Design and Test Equipment?

☐ Yes ☐ No

If response is no, describe how your organization will ensure "Registration" has been completed and "Licensing" has been obtained prior to receipt of the solicitation.

Additional Information

Technical documents for this project may contain Unclassified Controlled Nuclear Information (UCNI), Export Control Information (ECI), Official Use Only (OUO) and/or International Traffic in Arms Regulations (ITAR) information. These classifications require special information security preparations on the part of the short-listed subcontractors prior to receiving an RFP. Therefore, all Subcontractor, Sub-Tier and/or Teaming Partners' personnel assigned to participate in the solicitation and subsequently, if awarded the subcontract, personnel assigned to the design, optional fabrication and installation support must be U. S. Citizens

Path Forward

After receipt and evaluation of the data required to be submitted with the EOI, it is expected that discussions may be held with your organization in order to further understand your organization's capabilities and qualifications. Y-12 anticipates release of a solicitation package only to those qualified organizations responding to the EOI.

If your firm meets the participation criteria stated above and are interested in responding to this notice, please respond by **November 15, 2013**. Upon request, you may be requested to provide additional documentation to substantiate your responses to the above questions. Your response is to be provided by mail or electronically to the contact listed below. If you do not respond affirmatively to all the qualifying criteria you will not be considered for subsequent procurement actions.

All correspondence relative to this Expression of Interest must be submitted no later than **November 15, 2013** to:

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Oakridge, TN 37831-8299
Attn: Matt Collins
Phone: 865-574-1285
E-Mail: collinsmj@y12.doe.gov