

HANFORD TANK WASTE TREATMENT AND IMMOBILIZATION PLANT



BIDDER REQUEST FOR INTEREST & PRE-QUALIFICATION PACKAGE

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May be exempt from public release under the Freedom of Information Act
(5 U.S.C. 552), exemption number and category: 4.

Commercial/Proprietary

Department of Energy Review required before public release

Name/Org: Jose Velasquez/ P&S Date: 12/28/2023

Guidance (if applicable): N/A

Requisition No. 24590-QL-MRA-PS02-00020

Dual-Contained Pipe Spools

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BIDDER REQUEST FOR INTEREST & PREQUALIFICATION

CRITERIA AND RESPONSE

1.0 Introduction

Bechtel National Inc., herein referred to as Contractor, intends to issue a Request for Proposal (RFP) for a Plant Material Purchase Order for the Hanford Waste Treatment and Immobilization Plant (WTP) project in Richland, WA. Companies must be pre-qualified by Contractor to be included on the bid list. To support the pre-qualification evaluation process, the prime potential bidder (1st tier subcontractor) must provide the requested information and respond to questions within this document. The Experience Statement should include relevant information for both the prime bidder and any planned lower-tier supplier or subcontractor. Additional supporting documentation such as brochures and company profiles may also be submitted.

Please note that additional supporting documentation will be required as part of the formal RFP process.

2.0 Project Description and Location

The Hanford Tank Waste Treatment and Immobilization Plant (WTP) is a complex of radioactive waste treatment processing facilities designed and constructed by Bechtel National, Inc. for the Department of Energy (DOE). The facility will process the Hanford Site tank waste and convert the waste into a stable glass form.

The Project site is located in the 200 East Area of the Hanford Reservation near Richland, Washington, along the Columbia River. The site elevation varies from 662 to 684 feet above mean sea level. Ambient temperature range is -23 degrees F minimum to 113 degrees F maximum, with relative humidity of 5% minimum to 100% maximum. The project design life is 40 years.

Information about the WTP Project can be found on <http://www.hanfordvitplant.com>

3.0 Scope of Work

Award Type: Firm Fixed Price Purchase Order with Economic Price Adjustment

Estimated RFP Date: **March 2026**

Fabrication of Dual-Contained Pipe Spools

Work to be included:

1. Work performed per ASME B31.3 – current version
2. Purchase piping bulk material
3. Welding of Piping (isometrics will be provided)
4. Cold bending of pipe
5. Pickling
6. Coating (Fusion Bonded Epoxy, FBE) and Insulation (High Density Polyethylene, HDPE jacketing
7. Welding in Valves. WTP will provide valves, some valves will have soft seats, temperatures will require monitoring to prevent damage
8. Spools will have pipe supports. Pipe support drawings provided by WTP (supports between the inner and outer pipe, stanchions on outer pipe.
9. Material Testing
 - a) Independent testing of bulk materials for full physical and chemical properties to associated ASTMs utilizing laboratories accredited to ISO/IEC 17025. Testing will result in Certified Material Test Reports Confirming MTRs received with purchased materials. Sample lot sizes tables for testing will be provided.
 - b) Independent testing of weld rod materials for full chemical properties to associated ASTMs utilizing laboratories accredited to ISO/IEC 17025.

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BIDDER REQUEST FOR INTEREST & PREQUALIFICATION

CRITERIA AND RESPONSE

- c) Impact testing for piping, weld deposit and heat affected zone
- d) Fittings per ASME B16.9, MSS SP-95, and MSS SP-97
- e) Pressure (hydrostatic and pneumatic) testing of spools

10. Material Inspections

- a) All measuring and testing equipment utilized shall be calibrated by an accredited ISO/IEC 17025 laboratory.
- b) Wall thickness measurements shall be documented and submitted to the Buyer
- c) NDE of welds (RT), Weld repair, post weld heat treatment results shall be submitted to the Buyer

Equipment and Materials Required

Supplier shall provide all equipment and materials necessary to accomplish work in section above

Codes

- ASME B31.3
- ASME Boiler and Pressure Vessel Code

Standards

- Various ASME and ASTMs for piping components and materials
ASNT SNT-TC-1A, *Recommended Practice No. SNT-TC-1A Personnel Qualification and Certification in Nondestructive Testing*
- ASME B16.9, MSS SP-95, and MSS SP-97

Please note that if this procurement results in materials being provided and the total proposal value being greater than \$10,000 it must comply with FAR 52.225-11 Buy American Act – Construction Materials Under Trade Agreements (SEP 2010). If you cannot comply or foresee any issues with complying, please explain.

If your company is **interested** in this solicitation, please **proceed to Section 4.0** and complete the below sections as requested. The BNI Acquisition Services Purchasing group is responsible for collection, evaluation, and internal publication of potential bidders' information for the purpose of pre-qualifying them to bid on any particular purchase order.

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BIDDER REQUEST FOR INTEREST & PREQUALIFICATION

CRITERIA AND RESPONSE

4.0 Response Submittal

4.1 Submission Due Date: **April 18, 2025**

Submission Method: Submissions must be received no later than the due date to the Purchasing Representative, Andrea Riste, via email at adriste@bechtel.us. For questions, call (509) 430-9055.

5.0 Pre-Selection Criteria

5.1 Company Response

Prime Subcontractor Company Name: _____

Address: _____

Pre-qualification Contact Name: _____

Phone Number: _____

E-mail Address: _____

DUNS No. (Dun & Bradstreet): _____

5.2 North American Industry Classification System Code (NAICS)

The NAICS (North American Industry Classification System code for this work is **332996**. The SBA size standard for this code is **550 employees**. For pre-qualification purposes, you are a small business if your company's number of employees does not exceed 550 employees.

Business Size Classification (according to
U.S. Small Business Administration Criteria)

- ☐ Small
- ☐ Small Disadvantaged Business
- ☐ Woman Owned Small Business
- ☐ HUBZone Business
- ☐ Veteran-Owned Small Business Concern
- ☐ Service-Disabled Veteran-Owned Small Business Concern.
- ☐ N/A – Registered as a Large Business

5.3 Quality Assurance Requirements Program

Programmatic Quality Assurance (QA) requirements for this purchase orders will be in accordance with Supplier QA program, please mark as applicable:

<input type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input type="checkbox"/>	Nuclear Level Quality - Based on ASME NQA-1 2022

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BIDDER REQUEST FOR INTEREST & PREQUALIFICATION

CRITERIA AND RESPONSE

A. Does your Company have a written Quality Assurance Program?

☐ Yes ☐ No

B. Which QA standards does this program meet? _____

☐ DOE/RW/0333P ☐ ASME NQA-1 ☐ ASME Section VIII ☐ ISO-9000 ☐ Other

C. If selected "other" above, please furnish a copy of its QA Program Table of Contents and a brief summary identifying each of the requirements listed below. The level of rigor applied to the elements shall be commensurate with the risks associated with the Work.

- A description of the organizational structure, functional responsibilities, levels of authority, and interfaces for those managing, performing, and assessing the Work.
- Personnel Training and Qualifications
- Quality Improvement
- Control of Documents and Records
- Work Processes
- Design
- Procurement
- Product Identification and Traceability
- Inspection and Acceptance Testing
- Control of the Testing Equipment
- Control of Non-Conforming Product
- Corrective and Preventative Actions
- Handling, Storage and Shipping Procedures
- Management Assessment
- Independent Assessment

D. Your company has the option to submit their full Quality Assurance Plan with this interest.

5.4 Commercial Data

Potential bidders are required to register on the Bechtel Supplier and Contractor Portal: <https://www.Bechtel.com/supplier/> in order to be considered.

What was the date your company registered or updated its information on the Portal?

Date Updated: _____

A. Rough Order of Magnitude for Scope of Work (USD): \$ _____

B. Estimated Delivery Schedule:

- i. Engineering/Design: _____ weeks ARO
- ii. Material Procurement: _____ weeks ARO
- iii. Fabrication: _____ weeks ARO
- iv. Delivery: _____ weeks ARO

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BIDDER REQUEST FOR INTEREST & PREQUALIFICATION

CRITERIA AND RESPONSE

C. Are there long lead items to be aware of (if yes, please specify)?

D. Does your company have a suggested alternate offering/product that offers an improvement, more cost effective, or offers shorter delivery (i.e. "buy what you make")?

☐ No, we will supply an identical or similar product.

☐ Yes, we have an alternate offering. If so, please describe below or provide as an attachment.

E. What risks do you foresee with this procurement that BNI should be aware of and possibly help mitigate?

5.5 Technical Criteria

A. Direct Relevant Experience Documentation: If the Respondent has answered "yes" to the foregoing questions, provide a reference list of example projects over the last ten years, on the included Experience Statement, that demonstrate direct relevant project experience to support each "yes" response. Example projects should be detailed as to both the technical scope of the project and your participation in the project.

Column completion notes for the below, Experience Statement, to be completed by the Prime contractor:

A. Customer Name, Address, Contact Name and Phone No.- So that we may contact as a reference as needed.

B. Work Description and Location- Describe work scope and location and indicate if prime or subcontract.

C. Original/ Final Contract Value- Original award value and final closeout contract value.

D. Commencement/ Completion Dates- Provide starting date and actual completion (or forecast if still in progress) by month/year format (e.g., Jan 2006/ Sept 2007)

Customer Name, Address, Contact Name and Phone No.	Work Description and Location	Original/Final Contract Values	Commence/ Complete Dates

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CRITERIA AND RESPONSE

6.0 Pre-Qualification Document Checklist

Companies are encouraged to use this checklist to ensure their submittal is complete.

- ☐ Interest & Prequalification Criteria and Response Package (this document)
- ☐ QA Program Table of Contents and summary *or* a copy of QA Plan
- ☐ Additional supporting documentation such as brochures and company profiles.
- ☐ Direct Relevant Experience Documentation (included in this document or provided as attachment)

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