

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

HANFORD WASTE TREATMENT FACILITY/HIGH LEVEL WASTE FACILITY MELTER SHIELD DOOR INSTALLATION SERVICE SUBCONTRACT

Requisition Number: 24590-NP-FSR-ADDH-00001
Submit Interest By: January 31, 2023
Quality Level: Q
Award Type: Fixed Unit Rate/Fixed Price by Door

ESTIMATED SCHEDULE

Base Scope Schedule: Start Fiscal Year (FY) 2023 through the first quarter of FY 2024

Option Scope Schedule: Mid-2025

Issue Request for Proposal: March 23rd, 2023

Award and Notice to Proceed: May 30th, 2023

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. located in the 200 East Area of the Hanford Reservation near Richland, Washington for the Department of Energy (DOE). The facility will process the Hanford Site tank waste and convert the waste into a stable glass form.

SCOPE OF WORK

Base Scope of Work: In-Field Machining of Melter shield doors, HSH-Door-1,2,3,4,5,6,7, & 8

The scope of work will require field machining of eight identified HSH shield doors installed shim stock. There are four doors that operate in a vertical configuration and four doors that operate in the horizontal configuration. CONTRACTOR will provide and execute critical / heavy lifts and lift plans, install (weld) oversize support shims, provide survey control (establishment of benchmarks and control grid lines), laser tracker support for in-field machining set-up and verification, ancillary support for scaffold and installation of attachments for the support and operation of SUBCONTRACTOR provided milling equipment and field engineering support as required.

This subcontract will include the in-field machining of all door support components as identified in the attached drawings and installation manuals including, support shims of horizontal door lower track, drive base support plates / pads of horizontal door drive system, support shims of vertical door guide rails and support plates / pads of upper vertical door drive bases.

The work will include:

- The SUBCONTRACTOR will machine installed and welded support shims / anchor pads. The shims / pads are supplied in the correct width and length for the benefit of machining mating surfaces to the correct thickness and plumb / level to comply with installation / design tolerances.
- Machine drive supports (Anchor pads) for horizontal door drive system.
- Mobilize equipment and tooling to perform scope of work at the job site.
- Details for machining equipment mountings/attachments.

This contract does not include:

- CONTRACTOR will support the SUBCONTRACTOR with all necessary cranes, rigging hardware, riggers and signal support.
- All scaffold builds and modifications will be performed by CONTRACTOR.
- CONTRACTOR will provide and perform all welding / attachment(s) to support Subcontractor provided portable machining equipment.
- CONTRACTOR will supply all power requirements, equipment storage space and offices as required.

Optional Scope of Work: HPH, HFH, HDH and HEH Vertical door drive bases:

- Verify the machining requirements of 5 additional vertical door drive bases.
- Machine the 5 drive supports / anchor pads to the correct thickness and level requirements as identified on installation / design tolerances.
- A gap (demob) is anticipated between initial and optional scope

***Note that execution of the work scope will be under the WTP NQA-1 2000 Program.**

SUBCONTRACTOR will not be required to have an NQA-1 2000 program. As part of the scope of work, SUBCONTRACTOR personnel will be trained and certified as required under the WTP Quality Program.

EQUIPMENT AND MATERIALS REQUIRED

SUBCONTRACTOR will be required to provide all the machining and tooling required to perform the work scope.

DRAWINGS

Attached are two general drawings which are representation of those items requiring in field machining to support the HSH HLW Doors. In particular, the tight configurations adjacent walls and trenches. The figure/drawings represent the following:

- 1) "Marked up HSH Door 1 and 2 Shield Door Liner and Shims" containing shim and embed locations:
 - The vertical shims
 - The horizontal shims

- The vertical restraint rail shims
- The embed locations where the shims (above) will be place



Marked_up_HSH
Door 1 and 2 Shield E

- 2) "HSH Door 1 (vertical) and 2 (horizontal) Drive Systems" that require milling. This pdf shows both the horizontal and vertical drive systems locations.



HSH Door 1 (vertical)
and 2 (horizontal) Dri

- 3) Other Additional Reference Drawings are available beyond the 4 attached below:



24590-QL-POA-ADD
H-00007-05-01255_0



24590-QL-POA-ADD
H-00007-05-01457_0



24590-QL-POA-ADD
H-00007-05-01456_0



24590-QL-POA-ADD
H-00007-05-01230_0

SCHEDULE

Base Scope Schedule: 8 HSH Doors Milling

- Machining on the HSH-DOORS-1,2,3,4 forecasted start FY 2023, and is to be completed within 4 months.
- Machining on the HSH-DOOR-5,6,7,8 forecasted start FY 2024, and is to be completed within 4 months.

Optional Scope Schedule: Door Drive System Installations

Optional Scope of Work forecasted start mid- FY 2025.

QUALITY ASSRANCE (QA) REQUIREMENTS

Programmatic Quality Assurance (QA) requirements for subcontracts or purchase orders performed in the WTP Jobsite will be:

<input type="checkbox"/>	Non-Permanent or Temporary Work - Generally no QA program required
<input type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input checked="" type="checkbox"/>	Nuclear Level Quality - Based on ASME NQA-1 2000

***Please see the NOTE under Scope of Work above.**

CODES/STANDARDS

- ASME NQA-1 – 1989, 2008 + 2009a - Quality Assurance Requirements for Nuclear Facilities
- 29 CFR 1910 - Occupational Safety and Health Standards

BIDDER REGISTRATION AND PRE-QUALIFICATION

The BNI Acquisition Services Subcontracts/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 subcontract or purchase order.

As part of this process, BNI requires all potential offerors to register at the Supplier and CONTRACTOR Portal at: <https://www.Bechtel.com/supplier/>

If your company has registered previously, then only supplemental information should be sent to the Bechtel National, Inc. representative noted below.

Information to be provided by potential bidders must include:

- Dun and Bradstreet Number
- Company Name
- Company Address
- Contact Phone Number
- Contact Person
- Email Address
- Safety Data and Information
- Applicable Work Experience and Projects
- Size of Business (Small, Large)

WTP BACKGROUND

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

CONTACT

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