

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

EMF Blowdown Pump

Requisition Number: 24590-CM-MRA-MPPM-00004
Submit Interest By: April 23, 2018
Quality Level: CM
Award Type: Firm Fixed Price

ESTIMATED SCHEDULE

Issue Request for Proposal: May 8, 2018
Award and Notice to Proceed: July 18, 2018

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.

SCOPE OF WORK

The (Effluent Management Facility) EMF blowdown pump is used to remove saturated condensate from the shell-side of the Secondary Steam Generator (HPS-HX-00011). It is located below HPS-HX-00011 in building 25, LAW Effluent Process Building.

The scope of work includes one (1) blowdown pump (SCW-PMP-00093) and motor (SCW-MTR-00093) mounted on a baseplate. The SELLER shall select the most appropriate pump type for the liquid and operating conditions specified, however, a gear-type pump suitable for low viscosity service with a magnetic drive (sealless) is recommended. The fluid to be pumped is saturated condensate at 212 °F. The pump has a flowrate of 1.5 gpm and a differential pressure of 14.9 psi.

QUALITY ASSURANCE (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 checked="" type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input type="checkbox"/>	Nuclear Level Quality - Based on ASME NQA-1 2000

Bechtel may require, as an element of bidder pre-qualification, submission of a representative sample QA Program or Table of Contents copy. For Nuclear Level Quality subcontracts, the successful bidder's QA Program must be approved prior to award of the subcontract or purchase order.

CODES

- ASME B16.5, Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24
- ANSI/HI 3.1-3.5, Rotary Pumps for Nomenclature, Definitions, Application and Operation
- NEMA MG-1, Motors and Generators
- NFPA 70-1999, National Electric Code

STANDARDS

- American Society for Testing and Materials (ASTM)
- National Electrical Manufacturers Association (NEMA) 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

Bechtel National, Inc.
2435 Stevens Center Place
Richland, WA 99354
Attn: Beej Hall
Phone: 509-371-2211
Email Address: bjhall@bechtel.com
Mailstop: MS4-B2