BID ITEM LIST
Dworshak Dam Turbine Guide Bearing Pumps

CLIN	Description	Qty.	Price/EA.	Ext. Price
0001	Unit 1 & 2 Pumps – AC, with associated adapting components	3	$	$
0002	Unit 1 & 2 Pumps – DC, with associated adapting components	2	$	$
0003	Unit 3 Pumps – AC, with associated adapting components	2	$	$
0004	Unit 3 Pump – DC, with associated adapting components	1	$	$
			TOTAL	**$**

TECHNICAL SPECIFICATIONS
Dworshak Dam Turbine Guide Bearing Pumps
Solicitation No. W912EF26QA069

14 May 2026

1) **SCOPE**
The following specification pertains to the supply of five (5) pumps for main units 1 and 2, and three (3) pumps for main unit 3. The Contractor must deliver all components listed above to Dworshak Dam and Reservoir (Dworshak Project), Ahsahka, Idaho.

2) **GENERAL REQUIREMENTS**
- The pump assemblies must be equipped with the salient requirements listed herein. Any items not identified in this specification that are required for operation of all attachments must be provided by the Contractor as part of their bid.
- The pump assemblies must be fully capable, equipped as described in the salient requirements below, and ready for all intended uses upon delivery and assembly.
- The pump assemblies must not be modified to meet the functional and performance requirements of this specification, other than the addition of optional items. If any modifications are required to the structures as shown to meet the functional purposes of this contract, the Contractor is to immediately notify the Contracting Officer (KO).
- The pump assemblies must be constructed of all new materials exhibiting no excessive corrosion. No used or returned components will be accepted as a part of this fabrication.
- All pumps provided under this contract must be of the same make.
- Contractor is not required to supply any motors. Pumps will be coupled to existing AC and DC motors by Government personnel.

3) **UNIT 1 & 2 THREE-SCREW POSITIVE DISPLACEMENT ROTARY PUMP – AC (CLIN 0001)**
The Contractor must supply three (3) three-screw positive displacement pumps.

3.1) **Three-Screw Positive Displacement Pump Performance and Materials Requirements.**
- The pumps' flow rate must be 9 gallons per minute at 75 PSI with 95°F, Mobile DTE Heavy Medium ISO Grade 68.
- The pumps must be three-screw positive displacement rotary type with a 1.5" NPT inlet and a 1" NPT Outlet.
- The pumps must be equipped with mechanical seals capable of sustainable operation at the rated motor RPM along with the type of fluid, pressure and temperature noted above.
- The power rotor must be constructed of alloy steel and the idle rotors constructed of pearlitic gray iron.
- All bearings must be ball bearings that are permanently greased.
- The pump casing must be constructed of cast iron.
- The pumps must be C-Faced, equipped with an adaptor for connection to the motor shown in Figure 1 below. The adaptor should require no fabrication and should allow a bolt on assembly from the motor to the pump. The contractors must supply two (2) adaptors for this motor/pump combo.
- The Contractor must supply two (2) jaw-style coupling, rated for the capacity of the motor, to couple the motor to the pump. The Contractor must deliver the jaw-style coupling in a

manner that allows immediate coupling of the motor to the pump with no fabrication or material removal processes necessary.

- Coupling and rotating components must be shielded with an OSHA approved guard and may be integral with the adaptor.

Figure 1: Unit 1&2 AC Motor

4) **<u>UNIT 1 & 2 THREE-SCREW POSITIVE DISPLACEMENT ROTARY PUMP – DC (CLIN 0002)</u>**
The Contractor must supply two (2) three-screw positive displacement pumps.

4.1) **Three-Screw Positive Displacement Pump Performance and Materials Requirements.**

- The pumps' flow rate must be 9 gallons per minute at 75 PSI with 95°F, Mobile DTE Heavy Medium ISO Grade 68.
- The pumps must be three-screw positive displacement rotary type pumps with a 1.5" NPT inlet and a 1" NPT Outlet.
- The pumps must be equipped with mechanical seals capable of sustainable operation at the rated motor RPM along with the type of fluid, pressure and temperature noted above.
- The power rotor must be constructed of allow steel and the idle rotors constructed of pearlitic gray iron.
- All bearings must be ball bearings that are permanently greased.
- The pump casing must be constructed of cast iron.
- The pumps must be C-Faced, equipped with an adaptor for connection to the motor shown in Figure 2 below. The adaptor should require no fabrication and should allow a bolt on assembly from the motor to the pump. The contractors must supply two (2) adaptors for this motor/pump combo.

- The Contractor must supply two (2) jaw-style coupling, rated for the capacity of the motor, to couple the motor to the pump. The Contractor must deliver the jaw-style coupling in a manner that allows immediate coupling of the motor to the pump with no fabrication or material removal processes necessary.
- Coupling and rotating components must be shielded with an OSHA approved guard and may be integral with the adaptor.

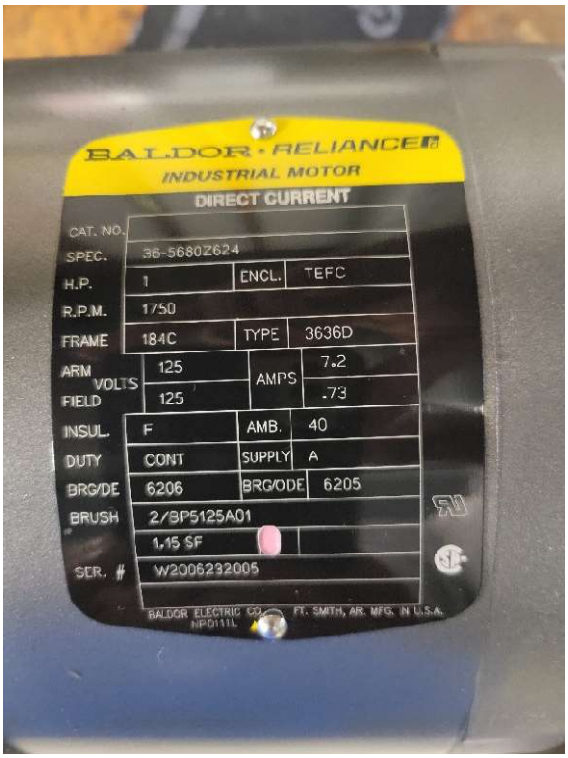

Figure 2: Unit 1&2 DC Motor

5) **<u>UNIT 3 THREE-SCREW POSITIVE DISPLACEMENT ROTARY PUMP – AC (CLIN 0003)</u>**
The Contractor must supply two (2) three-screw positive displacement pumps.

5.1) **Three-Screw Positive Displacement Pump Performance and Materials Requirements.**

- The pumps' flow rate must be 24 gallons per minute at 75 PSI with 95°F, Mobile DTE Heavy Medium ISO Grade 68.
- The pumps must be three-screw positive displacement rotary type pumps with a 2" NPT inlet and a 1.5" NPT Outlet.
- The pumps must be equipped with mechanical seals capable of sustainable operation at the rated motor RPM along with the type of fluid, pressure and temperature noted above.
- The power rotor must be constructed of allow steel and the idle rotors constructed of pearlitic gray iron.
- All bearings must be ball bearings that are permanently greased.
- The pump casing must be constructed of cast iron.
- The pumps must be C-Faced, equipped with an adaptor for connection to the motor shown in Figure 3 below. The adaptor should require no fabrication and should allow a bolt on assembly from the motor to the pump. The contractors must supply one (1) adaptor for this motor/pump combo.
- The contract must supply one (1) jaw-style coupling, rated for the capacity of the motor, to couple the motor to the pump. The Contractor must deliver the jaw-style coupling in a

manner that allows immediate coupling of the motor to the pump with no fabrication or material removal processes necessary.

- Coupling and rotating components must be shielded with an OSHA approved guard and may be integral with the adaptor.

Figure 3: Unit 3 AC Motor

6) **<u>UNIT 3 THREE-SCREW POSITIVE DISPLACEMENT ROTARY PUMP – DC (CLIN 0004)</u>**
The Contractor must supply one (1) three-screw positive displacement pump.

6.1) **Three-Screw Positive Displacement Pump Performance and Materials Requirements.**

- The pumps' flow rate must be 24 gallons per minute at 75 PSI with 95°F, Mobile DTE Heavy Medium ISO Grade 68.
- The pumps must be three-screw positive displacement rotary type pumps with a 2" NPT inlet and a 1.5" NPT Outlet.
- The pumps must be equipped with mechanical seals capable of sustainable operation at the rated motor RPM along with the type of fluid, pressure and temperature noted above.
- The power rotor must be constructed of allow steel and the idle rotors constructed of pearlitic gray iron.
- All bearings must be ball bearings that are permanently greased.
- The pump casing must be constructed of cast iron.
- The pumps must be C-Faced, equipped with an adaptor for connection to the motor shown in Figure 4 below. The adaptor should require no fabrication and should allow a bolt on assembly from the motor to the pump. The contractors must supply one (1) adaptor for this motor/pump combo.
- The contract must supply one (1) jaw-style coupling, rated for the capacity of the motor, to couple the motor to the pump. The Contractor must deliver the jaw-style coupling in a

manner that allows immediate coupling of the motor to the pump with no fabrication or material removal processes necessary.

- Coupling and rotating components must be shielded with an OSHA approved guard and may be integral with the adaptor.

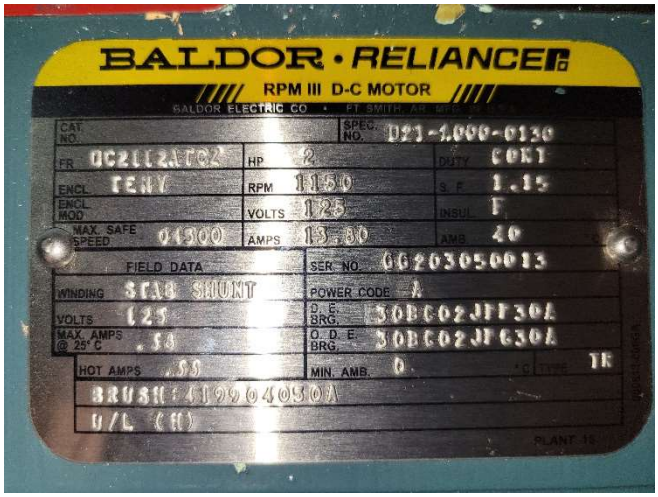

Figure 4: Unit 3 DC Motor

7) **WARRANTY**

All components supplied under this contract must be covered by a minimum one-year warranty on all parts, labor, and workmanship from factory defects. All warranty work will be done without delivery or shipment fees (including travel or on-site work). All parts and components covered by a manufacturer's warranty greater than one (1) year must prevail.

8) **SUBMITTALS**

8.1) **Pre-Award Submittals**

The offeror must submit the following items for Government approval in the timeframes listed below after the award of contract:

8.1.1.) **Shop Drawings**

The Contractor must provide drawings of the screw pumps, c-face adaptors, and jaw-style couplers. The drawings must include all pertinent dimensions that clearly demonstrate the products size and fitment.

8.1.2.) **Catalog Cut Sheets and Performance Information**

The Contractor must provide cut sheets and performance information clearly demonstrating compliance with the above stated qualifications for acceptance in sections 3.0 through 7.0. Failure to demonstrate all above listed items will result in the bid not being considered technically acceptable.

9) **SHIPMENT & DELIVERY**

All items must be delivered FOB to Dworshak Dam on or before June 15th, 2026. The Contractor must be responsible for packing and shipping the components in a manner that will ensure undamaged and complete arrival to Dworshak Dam. Deliveries must only be conducted during normal Dworshak Project business hours, Monday–Thursday 7:30 a.m. – 4:30 p.m., excluding federal

holidays. Notify the Government of delivery seven (7) days prior to shipment by providing the date & estimated time of arrival.

All shipments must be delivered to:

USACE - Dworshak Project
Attn: Contract Performance Specialist
1428 Northfork Drive
Ahsahka, ID 83520