

## **QUENCH TANK HEATER**

### **1. GENERAL SYSTEM DESCRIPTION**

This statement of work is to purchase one immersion style tank heater as an external unit. The tank heater will be a circulation immersion style heater, plus the accessories listed in the component specification section. The tank heater will be delivered by the vendor in accordance with the following requirements.

### **2. STANDARDS AND PUBLICATIONS**

#### **2.1 Clarification**

Any ambiguities, questions, requests for clarification or discrepancies between sections of this purchase description, drawings, national or industry standards discovered by the contractor in reviewing this purchase description shall be reported by the bidder in writing to the contracting officer BEFORE THE DATE SCHEDULED FOR CLOSE OF BIDDING/receipt of proposal. Submission of a proposal or bid shall be construed as evidence that such examination has been made. Therefore, later claims for labor, material, or equipment required, or for difficulties encountered, which could have been foreseen had such reasonable examination been made, may be denied.

### **3. DESIGN**

#### **3.1 Ownership**

3.1.1 This equipment is a standard product of the manufacturer and shall require either no change or minor design changes to meet requirements of these specifications. Therefore, ownership of the design will remain with the manufacturer.

#### **3.2 General Design Standards**

3.2.1 **ID DATA PLATE:** The equipment shall include a main data plate which will include the following data as a minimum requirement (additional information is acceptable): Manufacturer Name, Manufacturer's Dunns and Bradstreet Number, Manufacturer's Model Number, Manufacturer's Serial Number, Year of Manufacture, Contract Number, Machine Weight. This information is necessary for compliance with the governments Unique Identification Program (UID).

3.2.2 **DATA PLATES:** All instruction, data, and identification plates and labels attached to this equipment and its controls shall be manufactured of corrosion and oil resistant metal or plastic material. All wording shall be in the English language using plain, bold face lettering. Lettering shall be permanent and have a contrasting background.

3.2.3 **ITEM UNIQUE IDENTIFICATION (IUID) REGISTRATION:** The contractor shall register the equipment in the IUID Registry (as one single system). IUID registration requires the contractor to input Cage Code, Model Number, and Serial Number into a Government Database to allow for asset and inventory tracking. IUID Registry of the equipment shall be performed at <http://dodprocurementtoolbox.com/site/uidregistry/>. Training for IUID is available in <https://wawftraining.eb.mil>. IUID registration of this equipment is required prior to final payment in the Wide Area Work Flow (WAWF). The contractor shall also affix a machine

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readable 2-dimensional (2-D) matrix representing the IUID registry to the machine. The IUID 2-D matrix may be included on the ID Data Plate outlined in paragraph 3.2.4.

3.2.4 **NEW EQUIPMENT**: The equipment furnished under this purchase description shall be new and unused.

3.2.5 **PAINTING**: All unfinished surfaces of the equipment shall be painted with a lead free and chromium free commercial grade of metal primer and a minimum of one finish coat. The color shall be in accordance with the manufacturer's standard commercial practice, or as necessary to maintain compliance with OSHA regulations, as applicable.

### **3.3 Safety, Security and Environmental**

3.3.1 **INDUSTRY AND REGULATIONS**: The equipment shall comply with the most current of all local, state, and federal laws and regulations listed in Standards and Publications.

3.3.2 **MATERIAL EXCLUSIONS**: The equipment shall not contain polychlorinated biphenyl (PCB), ozone depleting substances (Class I or Class II), or asbestos materials.

## **4. COMPONENT SPECIFICATION**

The contractor shall be responsible for supplying all components, tools, and labor necessary to assemble, deliver, and test a tank heater to the Rock Island Arsenal as described below. The Rock Island Arsenal will install the equipment. This equipment shall be a DUREX Industries brand or equivalent per these details.

### **4.1 Heater:**

4.1.1 One Circulation Heater per part number **CF0644-C520P-700COW** or equivalent.

4.1.1.1 Heater Description – 6" circulation heater 150# 304SS Flange & Vessel, 70Kw, 480V 3ph, (2) circuits, Immersion 53", 8" Cold, 45W/IN<sup>2</sup>, (12) 0.475" INCOLOY 840 elements, NEMA 4 CS Enclosure, Type K Limit & Outlet Process T/C, 2" MNPT IN/OUTLET, Insulated & Shroud, Vertical Mounting.

### **4.2 Heater Control Panel:**

4.2.1 One Control Panel per part number **CCC84BC2-1Z-4803PH** or equivalent.

4.2.1.1 Panel Rating - 70Kw, 480V, 3ph, 84.3 Heater FLA, 1 Zone, 2 Circuits

4.2.1.2 Cabinet Type – An Indoor remotely mounted NEMA 4 powder coated wall mount with through door handle, w/Circuit Breaker, Non-Hazardous rated, E-stop required.

## **5. APPROVAL/SHIPPING**

### **5.1 Shipping**

5.1.1 **RESPONSIBILITY**: The contractor is responsible for delivery of the equipment to the Rock Island Arsenal. Adequate preserving of equipment surfaces, packing, marking, and skidding of materials for shipment shall be the responsibility of the contractor. If special lifting devices, such as hooks or eyes, are required for ease of handling, they shall be supplied with the

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equipment. Any special devices shall be returned to the contractor upon request only if they will not be required for future movement of the equipment, and at the contractor's expense.

5.1.2 **SHIPPING SCHEDULE**: Be aware, the Rock Island Arsenal will only off-load equipment arriving between 6:00 am and 12:00 am (noon), local time on Mondays through Thursdays except holidays. For information concerning holidays, the contractor should consult the contracting officer. There is no place to stage transporting vehicles awaiting the arrival of contractors. All equipment shall be delivered at the same time, meaning the same day (multiple trucks are acceptable) unless pre-authorized to deliver on multiple days by the RIA-JMTC contracting officer.

5.1.3 **RECEIVER**: All shipments to Rock Island Arsenal including installation tools and/or replacement parts, as well as the original shipment of the equipment, shall be marked "ATTN: Mr. Robert McClure or Mr. Dave Holgorsen TARA-LGC". Items not correctly marked are subject to being returned at the vendor's expense.

5.1.4 **ARRIVAL INSPECTION**: Upon receipt of equipment at Rock Island Arsenal, a preliminary inspection shall be performed to determine condition and/or count. This inspection shall be performed by Rock Island Arsenal personnel.

### **5.2 Installation**

5.2.1 **PREPARATION EXECUTION SUPPORT**: Rock Island Arsenal will perform the installation of the equipment.

## **6. SERVICE**

### **6.1 Service/Support Requirements**

The contractor shall have as a minimum, a verifiable service/repair capability which meets or exceeds the following requirements:

6.1.1 **STAFF**: Staffed by qualified, English speaking personnel fully knowledgeable in the service/repair of the equipment offered.

6.1.2 **TELEPHONE ACCESS**: Telephone access to service/repair personnel shall be available for consultation during Rock Island Arsenal normal working hours. Rock Island Arsenal normal working hours are 8:00 am CST to 3:00 pm CST, Monday through Friday, except legal federal holidays.

6.1.3 **ON-SITE RESPONSE**: Physical, on-site response shall be possible within 48-hrs of notification that service/repair of the equipment is necessary.

6.1.4 **MAINTENANCE PARTS**: Parts necessary for periodic replacement such as belts, hoses, filters, and other parts normally considered as spare parts, by the manufacturer, shall be stocked and available for shipment.

6.1.5 **PRIOR HISTORY**: Said service/repair capability shall have been available to the general public prior to the issue date of this purchase description. Adequate proof of prior availability shall be provided upon request.