

## **SECTION 230200 - PRE-PURCHASED EQUIPMENT REQUIREMENTS**

### **PART 1 – GENERAL**

#### **1.1 EQUIPMENT BIDS**

- A. Bids on pre-purchased equipment shall conform to the type and performance requirements specified, and Bidder shall provide copies of data and literature including the following information (where applicable), together with additional data which may be requested elsewhere for proper evaluation of bids.
  - 1. Manufacturer
  - 2. Sizes, capacities, operating characteristics.
  - 3. Principal materials of construction.
  - 4. Performance characteristic curves, operating data.
  - 5. Limiting features, horsepower, speeds, temperature and lubrication requirements.
  - 6. Foundation requirements, anchor bolt sizes and locations.
  - 7. Shipping and operating weights.
  - 8. Number of calendar days required, after receipt of Purchase Order, to submit drawings, certified prints and manufacturers' data sheets for Purchaser's review.
  - 9. Number of calendar days required, after receipt of Purchaser's final review of manufacturers' drawings, or receipt of Purchase Order (when review of submittals is waived in writing by Purchaser), to complete shipment of equipment to job site.

#### **1.2 ALTERNATE BIDS**

- A. The Bidder may offer an alternate quotation with his initial bid covering equipment conforming with their standard design, provided the changes proposed will not present a product which is inferior to that requested to be Bid, and the items proposed meet all design requirements in the sole opinion of the Purchaser. Deviations shall be fully explained with a statement of the effect, if any, on performance, physical dimensions, quality, price, and delivery.

#### **1.3 COMPLIANCE**

- A. It is the responsibility of the bidder to indicate non-compliance by means of specific exception to any provision of this Specification; otherwise, the equipment offered by the Bidder shall be deemed to comply with all applicable provisions. Any costs resulting from failure of the equipment to comply will be borne by the Bidder.

#### **1.4 CODES AND ORDINANCES**

- A. Bidder's attention is called to the provisions of the Federal Occupational Safety and Health Act (OSHA) and other applicable state and local codes, laws and regulations pertaining to safety.
- B. Where local and state laws and codes govern the design, construction, inspection, testing, and use of equipment, all items so restricted shall be in accordance with ordinances, laws, and codes having jurisdiction.
- C. Equipment or parts thereof, specifically designated to be under the jurisdiction of the ASME Boiler and Pressure Vessel Code, shall bear the approval stamp of the National Board of Boiler

and Pressure Vessel Inspectors.

#### **1.5 APPROVALS REQUIRED**

- A. Manufacturers' certified submittals and drawings, as described hereafter, shall be marked with the Purchase Order Number and the Equipment I.D. Tag or Mark scheduled.
- B. Manufacturer shall furnish for approval six (6) sets of engineering data, electrical connection diagrams, and dimensional drawings showing construction and installation of each piece of equipment. The data sets shall be reproducible sepias for all sheet sizes over 11' x 17'. The Purchaser will review the submittals and return two (2) sets.
- C. Fabrication or shipments prior to final approval by the Purchaser shall be at the Manufacturer's sole risk, and they shall assume all expenses incurred for the ultimate delivery of the equipment.

#### **1.6 OPERATING MANUALS**

- A. With each item of equipment shipped, the Manufacturer shall furnish four (4) sets of operating manuals. The manuals shall be prepared in an 8-1/2" x 11" book form with a suitable cover, and shall contain the following:
  - 1. A complete description of the operation of individual pieces of equipment as well as of the complete assembly.
  - 2. A description of procedures to follow for mechanical, electrical and piping systems during startup, run, stop, emergency stop, and shut-down.
  - 3. A description of procedures to follow and adjustments to make during size changes, speed changes, etc.
  - 4. Schematic diagrams of electrical, utility and control systems.
  - 5. (Where applicable), arrangement drawings of the facility and layout drawings of control panels and desks, reduced in size.

#### **1.7 MAINTENANCE MANUALS**

- A. With each item of equipment shipped, the Manufacturer shall furnish four (4) sets of maintenance manuals. The manuals shall be prepared in an 8-1/2" x 11" book form with a suitable cover, and shall contain the following:
  - 1. A complete description of the maintenance requirements and procedures for each individual piece of equipment, during operation and shutdown periods.
  - 2. A complete description of procedures to follow during routine changing of parts.
  - 3. Schematic diagrams of lubrication systems, including description of recommended lubricants, amounts, rates, frequency, etc.

#### **1.8 PARTS LIST**

- A. The Manufacturer shall furnish four (4) copies of parts lists accurately identifying each component in any given equipment assembly to facilitate installation of same.
- B. The Manufacturer shall furnish the Purchaser four (4) copies of a list of recommended spare parts for the equipment. The recommendation shall be on the basis of one year's continuous operation.

**1.9 SHOP INSPECTION AND TESTS**

- A. The Purchaser, or his authorized representative, reserves the right to enter manufacturer's plants (at reasonable times) to inspect workmanship, materials, and equipment, and observe tests prior to shipment.

**1.10 GUARANTEE**

- A. All pre-purchased equipment, including all component parts, shall be guaranteed by the Manufacturer, in writing, for a period of one (1) year from the time of final acceptance or beneficial use, whichever is first, against defective workmanship and material. Guarantee will include all parts and labor required. All repairs or replacements necessitated by such defects shall be performed at no expense to the Purchaser (on a straight-time basis, during normal working hours).

**1.11 SPECIAL PURCHASE TERMS**

- A. The equipment is being purchased by the Purchaser to expedite delivery. This equipment will be assigned by the Purchaser to a selected Contractor. The selected Contractor shall assume, by contract with the Purchaser, full responsibility for any and all warranties and guarantees, in such a manner as if he were the original purchaser.
- B. In order to be favored, this Bidder must state in his proposal that this arrangement meets with the Manufacturers approval, and as such, will extend these warranties and guarantees to the selected Contractor.
- C. It shall be the responsibility of the selected Contractor to deal directly with the Manufacturer in connection with any installation questions, malfunction, or failure of any part of the subject equipment or material without any qualification whatsoever.

**1.12 SHIPPING**

- A. All equipment shall be quoted FOB job site. Unloading of equipment at the job site will be by the selected Contractor.
- B. All equipment shall be carefully crated, blocked and otherwise protected as required for delivery to the job site free from misalignment, dents, scratches and other damage. Special care shall be taken to protect equipment from weather and vibration. All inlets and outlets shall be blanked-off. Surfaces subject to corrosion shall be protected with grease or strippable film.
- C. Special rigging instructions shall be identified clearly for items requiring same, and either stenciled in place or provided in a clearly labeled, externally located envelope.
- D. Prior to shipment, each item of equipment or separate components shall be identified by stenciling the Purchase Order Number and Equipment I.D. Tag or Mark on each shipping container. Small items may be identified by weatherproof tags.
- E. The Manufacturer shall furnish two (2) packing lists with each shipment. One shall be packed in the container with the shipment and one forwarded separately directly to the Purchaser.

**END OF SECTION 230200**

**SECTION 230210 - PRE-PURCHASED EQUIPMENT INSTALLATION REQUIREMENTS**

**NOTE: THE MECHANICAL AND REFRIGERATION EQUIPMENT HAS BEEN PRE-PURCHASED UNDER SEPARATE CONTRACT AND WILL BE ASSIGNED TO THE SELECTED CONTRACTOR FOR THIS PROJECT. A COPY OF THE MECHANICAL AND REFRIGERATION EQUIPMENT SUBMITTAL AND ALL INFORMATION RELATIVE TO THIS MECHANICAL AND REFRIGERATION EQUIPMENT IS AVAILABLE TO ALL BIDDERS FROM THE OWNER.**

**PART 1 - GENERAL**

**1.1 SPECIAL PURCHASE TERMS**

- A. The mechanical and refrigeration equipment has been pre-purchased by the Owner (Purchaser) to expedite delivery. This equipment will be assigned by the Owner to the selected Contractor. This Contractor shall assume, by contract with the Owner, full responsibility for any and all submittals, manuals, parts lists, data sheets, warranties and guarantees, in such a manner as if they were the original purchaser.
- B. In order to be favored, each Contractor must state in his proposal that this arrangement meets with their approval, and as such, will accept these terms and accept responsibility for all such warranties and guarantees.
- C. It shall be the responsibility of the selected Contractor to deal directly with the mechanical and refrigeration equipment Manufacturer in connection with any installation questions, malfunction, or failure of any part of the subject equipment or material without any qualification whatsoever.

**1.2 RECEIVING**

- A. All equipment has been quoted FOB job site. Unloading of equipment at the job site will be by the selected Contractor.
- B. All equipment shall be carefully unloaded, handled, stored and otherwise protected at the job site to prevent misalignment, dents, scratches and other damage. Special care shall be taken to protect equipment from weather and damage. All inlets and outlets shall be blanked-off. Surfaces subject to corrosion shall be protected.
- C. Special rigging and the setting of the equipment shall be in strict accordance with the Manufacturer's written instructions.

**END OF SECTION 230210**