

**CITY OF AUSTIN
SPECIFICATION
PURCHASE OF MITSUBISHI UNINTERRUPTIBLE POWER SUPPLY
SOLICITATION NO.: IFB MHJ0204**

1. PURPOSE

The City of Austin (City) seeks bids in response to this solicitation from a qualified Contractor for the purchase, installation, and startup of Uninterruptible Power Supplies (UPS) and associated components. The unit will be installed at the basement level of 1520 Rutherford Lane, Building 4, Austin, TX 78754.

This equipment shall be designed and manufactured in accordance with the most current applicable standards of the Institute of Electrical and Electronics Engineers (IEEE), American National Standards Institute (ANSI), the National Electrical Manufacturers Association (NEMA) and Underwriter's Laboratories Inc. The City has identified Mitsubishi 9900 Aegis 150kVA 480/480 (M9900A-E-150-480-480), Mitsubishi Free Standing 3 Breaker MBS Panel (Model: FB973-CDP-225-480E), and Deka 31HR4000 batteries as the equipment of choice.

Please note the Deka 31HR4000 batteries cannot have substitutions or "as equal" units.

Such identification is intended to be descriptive, not restrictive, and is provided to indicate the quality and characteristics of products that will be satisfactory. Other makes and models may be submitted for buyer approved equal consideration provided they are equal in quality, design, and characteristics.

Bidders offering products other than those herein referenced may be required to provide additional information and/or arrange to demonstrate to the City's satisfaction that the product being offered complies with these Specifications and meets the City's requirements.

2. CONTRACTOR REQUIREMENTS

2.1. Contractor Qualifications

- 2.1.1. The Contractor shall be an authorized dealer/reseller of the products offered.
- 2.1.2. The Contractor shall have and operate a full-time, permanent business address with the ability to be reached by email and telephone.
- 2.1.3. The equipment to be furnished under this bid shall be a new model and must be delivered with all features that are standard for the model bid, whether or not specifically listed in these specifications.
- 2.1.4. The Contractor shall provide warranty information and submittal or cut sheets on all equipment and supporting components with bid package.

2.2. Product Specification

- 2.2.1. Quantity of one (1) Mitsubishi 9900 Aegis 150kVA 480/480 UPS (Model: M9900A-E-150-480-480)
 - 2.2.1.1. The UPS shall be new from the manufacturer with documentation of factory tested and pass a quality control inspection.
 - 2.2.1.2. The UPS unit must be vendor agnostic to service and the offering model must not have proprietary hardware/firmware.

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2.2.2.3. Design Features:

- 2.2.2.3.0. Fully Digital, CSTBT (IGBT) Inverter and Converter Design
- 2.2.2.3.1. Low Input Harmonics, Internal Static Bypass
- 2.2.2.3.2. Level Power Conversion Technology
- 2.2.2.3.3. Dual Input
- 2.2.2.3.4. Front Access Only, 1.1:1 Generator Sizing
- 2.2.2.3.5. Available for Parallel Redundant & Capacity Applications (Up to 4 Modules)
- 2.2.2.3.6. Advanced Circuit Topology and PWM
- 2.2.2.3.7. Board Level Self Diagnostics
- 2.2.2.3.8. UPS Modules UL 1778 Listed
- 2.2.2.3.9. **Thirty Six (36) Month Parts and Labor Warranty that begins on the date of commission.**
- 2.2.2.3.10. 97% Efficiency @ 50-100% Load Typical, Double Conversion
- 2.2.2.3.11. Power Factor 0.9
- 2.2.2.3.12. Small Footprint and Light Weight

2.2.2. Quantity of one (1) Mitsubishi Free Standing 3 Breaker MBS with KK & SKRU options (Model: FB973-CDP-225-480E)

2.2.3. Quantity of 80 Deka 31HR4000 batteries. **NO substitutions or “as equal” units.**

- 2.2.3.4. Batteries shall not be more than six (6) months old and all batteries shall have the same manufactured date code.
- 2.2.3.5. The Contractor shall provide information on how to interpret the date code on the listed batteries at the time of delivery of the batteries.
- 2.2.3.6. The Contractor shall provide SDS sheets for the batteries at the time of the delivery of the batteries.
- 2.2.3.7. The Contractor shall provide a base line condition report of the new batteries before installation. All batteries shall meet or exceed manufactures specifications.

2.2.4. The Contractor shall provide single 4/0 strapping to connect two (2) 40 battery strings located in the two battery cabinets.

2.3. Product Installation

2.3.1. The Contractor shall install the system and perform startup and commissioning per the manufactures procedures.

2.4. Removal of Old Batteries

The Contractor shall remove one (1) string of 40 existing batteries.

2.4.1. The Contractor shall recycle the old batteries and provide documentation showing the disposal meets the Environmental Protection Agency (EPA) requirements. Proof of Transportation Pollution Liability insurance.

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2.4.1.1. The Contractor shall provide disposal documentation that includes the following within 10 days of disposal, or a time mutually agreed to by the City Contract Manager:

- TRX number / NACIS code: number for Hazardous Waste Collections
- EPA Identification Number
- TX DOT Certification: Number

2.4.1.2. The Contractor shall provide a Death Certificate that includes the following within 10 days of disposal, or a time mutually agreed to by the City Contract Manager:

- EPA Identification Number
- Total weights and composition of batteries
- Date delivered to recycle center.

3. CITY RESPONSIBILITIES

3.1. The City will provide an on-site contact.

3.2. The City of Austin will provide electrical termination and associated electrical infrastructure.