

UNIVERSITY AREA JOINT AUTHORITY  
STATE COLLEGE  
CENTRE COUNTY, PENNSYLVANIA

CONTRACT #2011-08

BID, CONTRACT & SPECIFICATIONS FOR  
EXPLOSION PROOF FORCED AIR UNIT HEATERS

SEPTEMBER 2011

## INVITATION TO BID

Sealed bids will be received by the University Area Joint Authority in their offices at 1576 Spring Valley Road, State College, Centre County, Pennsylvania, 16801 until 2:00 PM prevailing time, September 29<sup>th</sup>, 2011, at which time they will be opened and read aloud. The bids are to be for the purchase of:

1. CONTRACT #2011-08, EXPLOSION PROOF FORCED AIR UNIT HEATERS

Instructions to bidders, Specifications and Forms of Contracts may be obtained at the office of the Authority. All Bids shall be on the Bid Form and shall be irrevocable for a period of sixty (60) days after the opening of Bids.

The University Area Joint Authority reserves the right to waive any defects, errors, omissions, mistakes, informalities, to accept any Bid or combination of Bids that are deemed to be in the best interest of the Authority, and to reject any or all Bids.

Please be advised that the University Area Joint Authority will not discriminate against any interested firms or individuals in regard to race, creed, color, sex, age, handicap or national origin in the selection process.

Please contact Diane Ruth at 814-238-5361 between the hours of 8 a.m. and 4 p.m. with questions.

University Area Joint Authority

Cory R. Miller, Executive Director

Dated: September 2011

FORM OF BID

FOR: EXPLOSION PROOF FORCED AIR UNIT HEATERS

TO: University Area Joint Authority  
1576 Spring Valley Road  
State College, Pa. 16801

Gentlemen:

Pursuant to and in accordance with your advertisement for Bids dated September 18<sup>th</sup> and September 21<sup>st</sup>, 2011 and the Instructions to bidders relating thereto, the Undersigned having carefully examined the Specifications and other Contract Documents hereby proposes to furnish EXPLOSION PROOF FORCED AIR UNIT HEATERS in accordance with the Specifications and all Addenda issued by the Owner and mailed to the Undersigned a minimum of three (3) working days prior to the opening of Bids whether received by the undersigned or not, complete, and ready for use, for the lump sum price set forth in the following Schedule.

SCHEDULE NO. 1

EXPLOSION PROOF FORCED AIR UNIT HEATERS

For furnishing EXPLOSION PROOF FORCED AIR UNIT HEATERS as specified in Section No. 2 of these Specifications, the lump sum price is:

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Additions or Deductions for Modifications and/or Exceptions to the Specifications:

- 1. \_\_\_\_\_ \$ \_\_\_\_\_
- 2. \_\_\_\_\_ \$ \_\_\_\_\_
- 3. \_\_\_\_\_ \$ \_\_\_\_\_
- 4. \_\_\_\_\_ \$ \_\_\_\_\_
- 5. \_\_\_\_\_ \$ \_\_\_\_\_

BIDDER'S REPRESENTATION

The undersigned hereby represents as follows:

1. That this Bid is made without connection with any person, firm, or corporation making a Bid for the EXPLOSION PROOF FORCED AIR UNIT HEATERS, and is in all respects fair and without fraud or collusion;
2. That no officer, agent or employee of the University Area Joint Authority is personally interested directly or indirectly in this Contract or the compensation to be paid hereunder; and,
3. That no representation, statement or statements, oral or in writing, has induced them to enter into this contract excepting only those contained in the Contract Documents or made a part hereof by its terms.

The undersigned hereby designates as their office to which any notice of acceptance may be sent. Please provide company name, address, phone, fax, email and contact person:

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This Bid may be withdrawn at any time prior to the scheduled time for opening of Bids or any authorized postponement thereof.

WITNESS:

\_\_\_\_\_

INDIVIDUAL:

\_\_\_\_\_ (SEAL)

WITNESS:

\_\_\_\_\_

PARTNERSHIP:

\_\_\_\_\_ (SEAL)

By: \_\_\_\_\_ (SEAL)

\_\_\_\_\_ (SEAL)

WITNESS:

\_\_\_\_\_

FIRM OR CORPORATION:

\_\_\_\_\_ (SEAL)

By: \_\_\_\_\_

If a corporation, give State of Incorporation using the phrase, "A Corporation Organized under the Laws of

\_\_\_\_\_."

If a partnership, give names of partners, using also, the phrase, "Co-partners trading and doing business under the firm name of

\_\_\_\_\_."

If an individual, using a trade name, give individual name, using also, the phrase, "An individual doing business under the firm name of

\_\_\_\_\_."

SECTION NO. 1  
INSTRUCTIONS TO BIDDERS

1. The attached Specifications set forth the EXPLOSION PROOF FORCED AIR UNIT HEATERS. Any change, variation or substitution of equal product must be clearly stated in the bid.
2. All Contracts must be executed on forms furnished by the Authority.
3. All Bids shall be sealed in an envelope plainly marked "SEALED BID FOR CONTRACT #2011-08" EXPLOSION PROOF FORCED AIR UNIT HEATERS, UNIVERSITY AREA JOINT AUTHORITY.
4. All supplemental instructions will be in the form of written Addenda to the bid and Specifications, which if issued, will be mailed to all prospective bidders not later than three (3) working days prior to the date fixed for the opening of the Bids.
5. The successful bidders will be responsible for the payment of all Excise, Sales and Use Taxes and all other taxes required by law on all supplies, tools, apparatus, equipment, fixtures, services, uses and incidentals which they purchase or use for the purpose of fulfilling the work of this Contract, and they shall include all amounts required for such taxes within the item prices in their Bid. No additional payment will be made to cover such taxes. Each bidder shall thoroughly familiarize themselves before submitting a Bid with all laws requiring the payment of such taxes.

Attention is directed to the fact that under existing provisions of the Pennsylvania 1963 Tax Act for Education and regulations promulgated by the Pennsylvania Department of Revenue, items of tangible personal property used or consumed directly in the rendition of a public utility service (including a sewer system) are exempt from tax under said Act upon proper application for the certificate of exemption. Bidders are further advised that, upon proper application, an Excise Tax Exemption Certificate will be provided to the successful bidder.

## CONTRACT

THIS AGREEMENT made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ by and between the University Area Joint Authority, hereinafter known as the Owner, Party of the First Part, and \_\_\_\_\_ a \_\_\_\_\_ known as \_\_\_\_\_, existing under the laws of \_\_\_\_\_, hereinafter called the SUPPLIER, Party of the Second Part.

WITNESSETH, that the Parties hereto for the consideration stated mutually agree as follows:

### ARTICLE I – SCOPE OF WORK:

The SUPPLIER agrees to furnish the specified EXPLOSION PROOF FORCED AIR UNIT HEATERS and perform all work necessary for or incidental to, and to perform all other obligations imposed by this contract for the complete work, all in strict accordance with the CONTRACT DOCUMENTS as prepared by the Authority, attached hereto or referred to herein, all of which are made a part of and designated as follows:

- a. Notice to bidders
- b. Instructions to bidders
- c. Form of Bid
- d. Specifications for EXPLOSION PROOF FORCED AIR UNIT HEATERS



ARTICLE IV – DISPOSAL OF CONTRACT:

The SUPPLIER shall keep the CONTRACT under their own control and shall not sell, transfer or assign or otherwise dispose of the CONTRACT or any portion thereof or their right, title or interest herein to any person, firm or corporation without the express written consent of the OWNER.

IN WITNESS WHEREOF, the parties hereto have caused the signatures of their proper officers to be affixed hereunto on the day and year first above written.

**CONTRACT #2011-08    EXPLOSION PROOF FORCED AIR UNIT HEATERS**

UNIVERSITY AREA JOINT AUTHORITY

By: \_\_\_\_\_  
                    Chairman

ATTEST:

\_\_\_\_\_  
                    Secretary

SUPPLIER

By: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

## SECTION NO. 2 SPECIFICATIONS

The following indicates the MINIMUM specifications of this contract

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- 1) All supplies must be received by UAJA as stated below.
- 2) All supplies will be delivered to UAJA located at 1576 Spring Valley Road, State College, Pa 16801. Call for directions. 24 hour notice prior to delivery is required. Receiving hours are Monday through Friday, 8 am-3 pm.
- 3) Vendor must supply brand name and specifications for heaters being offered.

**Delivery must be made no later than Tuesday, November 1<sup>st</sup>, 2011 (please note any exception to this)**

- EXPLOSION PROOF FORCED AIR UNIT HEATERS

A. Summary:

1. All equipment, controllers, electrical devices and appurtenances shall be suitable for Class 1, Division 1 (Group F and G) locations.
2. Provide four (4) explosion proof forced air unit heaters. Each unit heater shall be 20KW.

B. Description:

1. An assembly including casing, coil, fan, and motor in horizontal discharge configuration with horizontal, adjustable louvers in blow-through configuration.

C. Materials:

1. Cabinet: 316 stainless steel housing with corrosion resistance louvered outlet.
2. Units shall be listed for corrosive areas and NEMA 4x requirements.
3. Provide corrosion resistance stainless steel mounting bracket for wall fastening.

D. Heating elements:

1. The heating element shall be type 316 stainless steel *or baked phenolic (Heresite) coating 14 gauge* heat exchanger construction with aluminum fins and fittings. Fin surface temperature shall not exceed 550 deg F at any point during normal operation.
2. Circuit Protection: Cast aluminum NEMA 4x, 7, 9 terminal box for overcurrent protection and limit controls for over-temperature protection of heaters.
3. Wiring Terminations: Match conductor materials and sizes indicated.
4. Explosion Proof models shall be 316 stainless steel liquid to air heat exchanger with stainless steel header and tube construction with aluminum fittings.

E. Fans and fan motors:

1. Propeller with aluminum blades directly connected to motor.
2. Totally enclosed UL motor fitted with an epoxy coated fan blade and factory wired to NEMA 4X enclosure.
3. Primary and secondary automatic reset thermal cutouts, fan delay relay, and terminals housed on NEMA 4X, 7 cast aluminum enclosure.

F. Accessories and Controls:

1. Factory installed unit mounted explosion proof disconnect switch with external handle.
2. Factory installed unit mounted explosion proof thermostat to be UL listed and certified for Class 1, Division 1 hazardous locations. Provide enclosure suitable for wet areas.

G. Quality Assurance:

1. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
2. Test propeller unit heater coils according to ASHRAE 33.

H. Warranty

1. Manufacturer's standard warranty, but not less than two years.

• MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Electric Unit Heaters
  - a. Indeeco, Inc. (ULTRA-SAFE EXP series)
  - b. Berko Electric Heating; a division of Marley Engineered Products. (RUX Series)
  - c. Reznor; a Thomas and Betts Corporation. (EXUB Series)
  - d. Qmark; a division of Marley Engineered Products. (GUX Series)
  - e. *CCI Thermal Technologies Inc. (Ruffneck Series Model FX5)*