

**BELKNAP COUNTY
REQUEST FOR BIDS**

**BID No. 1611-01
Packaged Rooftop Unit**

Belknap County is requesting sealed bids from qualified contractors to replace the existing 35-ton packaged rooftop unit at the Sheriff's dispatch center located at 42 County Drive in Laconia, New Hampshire. This unit provides cooling, air exchange, and circulation for the Sheriff's Department and administrative offices at the Belknap County Complex. Contractors will be expected to provide all labor, materials, and equipment to remove the existing unit from the roof and install a new packaged rooftop unit. (See attached Specifications)

Sealed bids clearly marked "**PACKAGED ROOFTOP UNIT BID**" will be received by the Belknap County Commissioner's Office, 34 County Drive, Laconia, New Hampshire 03246 **until 2:00 P.M. November 14, 2016**. Bids will be publicly opened and read aloud at the Belknap County Commissioner's meeting on Wednesday, November 16th beginning at 9:00 A.M.

The selected firm will be expected to provide a certificate of insurance satisfactory to Belknap County for General Liability and Workers Compensation.

Belknap County reserves the right to accept or reject any and all bids or any part thereof, to waive any formality in the bidding process, and to accept the bid considered to be in the best interest of the County. Failure to submit all information called for herein may be sufficient grounds for disqualification. The County retains the right to cancel this bid request at any time for any reason.

All questions should be directed to Dustin Muzzey at (603) 737-2391.

BID No. 1611-01 - BID SHEET

1. Properly trained personnel qualified to perform the assigned work shall be appointed by the contractor to supply the necessary tools and equipment necessary to complete installation.
2. The successful bidder must meet with County officials prior to the start of work to discuss schedule, logistics and the placement of the unit and necessary electrical hookups required for new rooftop unit.

(I) (We) quote the following:

Materials and labor to install RTU: \$ _____

TOTAL BID: \$ _____

(I) (We) hereby certify that (I) (We) have read each and every part of this bid and advertisement, and (I) (We) understand that failure to comply with any statement, part or request of this bid will be cause for rejection thereof.

Signed: _____

Title: _____

Company Name: _____

BELKNAP COUNTY, NEW HAMPSHIRE

SPECIFICATIONS EXCEPTIONS FORM

In the interest of fairness and sound business practice, it is mandatory that you state any exceptions taken by you to our specifications.

It should not be the responsibility of Belknap County to interpret information concerning the materials which you intend to furnish.

If your bid/quotation does not meet all of our specifications, you must state so in the space provided below:

Bids on equipment, vehicles, supplies, service and materials not meeting specifications may be considered by the County, however all deviations must be listed above.

If your bid does not meet our specifications, and your exceptions are not listed above, Belknap County may claim forfeiture of your bid bond if submitted.

I DO meet specifications

Signed: _____ Date _____

I DO NOT

meet specifications as listed in this bid. EXCEPTIONS ARE NOTED ABOVE

Signed: _____ Date _____

YOUR BID MAY BE REJECTED IF YOU DO NOT SIGN AND SUBMIT THIS PAGE.

BELKNAP COUNTY, NEW HAMPSHIRE

BUSINESS AND TAXPAYER IDENTIFICATION INFORMATION

(T I N)

1. THIS BUSINESS IS A: (Please check one)

Individual Sole Proprietorship

Partnership Corporation

Non-Profit Entity

Other (please describe): _____

2. LICENSED OR OTHERWISE AUTHORIZED TO DO BUSINESS BY THE STATE OF: _____

3. TAXPAYER IDENTIFICATION NO. (TIN): _____
OR
SOCIAL SECURITY NUMBER _____ - _____ - _____

LEGALLY ISSUED IN THE NAME OF: _____

DOING BUSINESS AS (DBA): _____

ADDRESS: _____

CITY/TOWN, STATE, ZIP: _____

NOTES:

YOUR BID MAY BE REJECTED IF YOU DO NOT COMPLETE AND SUBMIT THIS PAGE WITH YOUR BID.

CHECKS IN PAYMENT OF OBLIGATIONS BY THE COUNTY WILL BE MADE PAYABLE TO YOUR LEGALLY ISSUED NAME UNLESS YOU STATE A D/B/A (DOING BUSINESS AS). FEDERAL TAX REPORTING, IF REQUIRED, WILL ALSO BE IN YOUR LEGAL NAME.

FAILURE TO PROVIDE A T.I.N. WILL SUBJECT YOU TO 20% FEDERAL BACK-UP WITHHOLDING.

PACKAGED ROOFTOP UNIT

1.0 PART 1- GENERAL

1.1 WORK INCLUDED

- A. Provide labor, materials, equipment and services to perform operations required for the complete installation and related work (curb adapter, removal of old equipment) as required for rooftop unit. Unit being replaced is Trane model #TCH420AE0B2B5BH5BCE, serial # J96H91550, manufactured in September 1996.

1.2 SUBMITTALS

- A. Specifications & cut sheet 35-ton packaged rooftop unit, three phase, 208V and accessories.
- B. Installation details and schedule for a **Spring 2017** install.
- C. Complete installation drawings, installation and start-up instructions, wiring diagrams and instruction manuals from manufacturer of equipment.

1.3 QUALIFICATIONS

- A. Shall comply with the State of New Hampshire.
- B. Unit shall have UL and AGA label.

1.4 MANUFACTURERES WARRANTY

- A. Sixty months extended warranty for refrigerant system.

2.1 PACKAGED ROOFTOP UNIT

A. General:

1. Provide a complete packaged rooftop unit (cooling only) including fans, compressors, coils, piping and BACnet T-stat interface controls. Factory assembled, piped, internally wired, and fully charged with **410A** refrigerant and ready to operate. Unit must be VAV rated.
2. Unit cabinet constructed of galvanized steel, bonderized and coated with baked enamel finish.
3. Cabinet interior insulated with 1" thick neoprene coated fiberglass. The air stream side of the insulation shall have a strong smooth mat integrally laminated to the insulation.

4. Removable panels for service to operating components.
5. Unit must integrate with existing heat coil that exists in plenum (duct) below unit.

B. Fan Section:

1. Complete with forward or backward curved fans as called for, motor, belts, guards and pulleys.
2. Size, number and diameter of fans and discharge arrangement as called for.
3. Adjustable pitch motor pulleys. Fan bearings shall be rated for 50,000 hours B-10 life continuous operation in accordance with AFBMA.
4. Bearing mounting adjustable and self-aligning.
5. Motor mounted on adjustable pivoted or slide base.
6. Fan and motor mounted on a vibration isolated steel frame.

C. DX Cooling Coil Section:

1. Drip pan with corrosion-resistant mastic coating with drain connection.
2. Capacity as called for.
3. Direct expansion type, ARI rated.
4. Coils designed and tested in accordance with ANSI B9.1.
5. Seamless copper tubing and aluminum fins. Fins of ripple design without a hooked trailing edge.
6. Thermal expansion valve proper for refrigerant used.

D. Compressor Condenser Section:

1. Unit compressor of serviceable semi-hermetic or welded, fully hermetic and crankcase heaters and suitable vibration isolators.
2. Protect cooling with high pressure estat, low pressure estat, loss of charge protection, indoor coil freeze stats, and current and temperature sensitive overload devices.

3. Circuit to prevent compressor short cycling as a result of rapid change in thermostat setting and to automatically prevent compressor restart at least five minutes after shutdown.
 4. Protective devices wired through the control circuit to prevent compressor restart until reset.
 5. Propeller type up blow outdoor fan with direct driven permanently lubricated motor.
 6. Condenser Coil, ARI rated, designed and tested in compliance with ANSI B9.1. Seamless copper tubing and aluminum fins.
- E. Economizer Module:
1. Economizer with solid state controls and barometric relief dampers includes filter racks and provide outdoor air during cooling and reduce compressor operation.
- F. Customer will supply and install a single unit mounted disconnect and electrical cabinet with starters, auxiliary contacts, power and control terminal blocks and devices as required. All control wiring and control installation by Belknap County.
- G. Make: Carrier, McQuay, Trane, York