BID REQUEST
Pre-Purchase of Hydronic Unit Ventilators
Bid Number # CL16-AJ-0069

Introduction
The University of Massachusetts Lowell (UML) invites bids on the purchase of Hydronic Unit Ventilators (UV)

Bid Specifications
1. Ball Hall Unit Ventilator Purchase - Please see Attachments A, B & C

Bid Rejection
The University reserves the right to reject any or all bids received in whole or in part if it is deemed such action is in the best interest of The University and the Commonwealth of Massachusetts.

Preparation of Bids
Bids must be signed, where instructed. Bidders are cautioned that errors, alterations, or corrections on the submitted bid must be initialed by the person signing the bid proposal or his/her authorized designee. Failure to do so may result in rejection of the bid for those items erased, altered, or corrected and not initialed. Telephone and or Fax bids will not be accepted.

Selection Criteria
UML shall enter into an agreement with the Bidder who submits the proposal that meets the minimum requirements, proof of quality and performance of previous work, ability to meet the time frame set by the University, is financially beneficial to UML and demonstrated ability to service the product in a timely and satisfactory manner.

Prevailing Wage Law
All services solicited through this RFB are subject to the Massachusetts Prevailing Wage Laws. A list is provided as part of the RFB indicating the trades for which a contractor is mandated by law to pay the prevailing wage rates. Applicable Prevailing Wage Rates are issued with this RFB and will become a part of any Contract resulting from this solicitation. It is the responsibility of the Contractor to adhere to the Prevailing Wage Laws. All Electrical Connections must be done by a Licensed Electrical Contractor. It is the responsibility of the Vendor to obtain a City of Lowell Electrical Permit. The Vendor is also responsible for the Cost of any and all necessary permits.
Certification of Tax Status

Pursuant to Massachusetts General Law, Chapter 62C, Section 49 A, the bidder certifies under penalties of perjury that to the best of the bidder's knowledge and belief, they have filed all state tax returns and paid all state taxes required by law.

Certification of Non-Collusion

Pursuant to Massachusetts General Law, Chapter 7, Section 22 (20), the bidder certifies under penalties of perjury that their bid is in all respects bona fide, fair, and made without collusion or fraud with any person, joint venture, partnership, corporation or other business or legal entity.

Bidder's Representations

Each bidder by submitting its bid represents that:

a) The bid document and specifications have been read and understood by the bidder,

b) The bid is based upon the items described in the bidding documents and specifications without exceptions,

c) The bid has been arrived at independently and is submitted without collusion,

Bid Documents

Proposal may be submitted via email to Purchasing@uml.edu or hard copy sent to Purchasing at the address below.

Bid Opening

Bids will be opened and publicly read on, Friday, March 25, 2016 11:00 AM EST

at the Purchasing Department: Ref Bid # CL16-AJ-0069 on package

Wannalancit Business Center
600 Suffolk St. Rm 415
Lowell, MA 01854

It is vital that bids be in the Purchasing Office by the due date and time.

Late bids will not be considered, and will be placed, unopened, in the bid file.

We strongly encourage you to contact the Purchasing Office by telephone or e-mail prior to the bid opening to confirm that your bid has been received by the Purchasing Department. The general Purchasing Office phone number is (978) 934-3500 or email address is Purchasing@uml.edu. All communication should reference RFB No. CL16-AJ-0069
Questions/Contact Person

Prospective Bidders may submit questions to UML regarding this solicitation via email to Purchasing@uml.edu

Amendments

The Purchasing Department reserves the right to amend, alter, or cancel the bid at any time prior to the deadline for submissions of bids. If such action is necessary, all potential bidders who have received or requested a copy of the bid will be notified of the changes to be made in writing and whether the bid opening date will be extended.

Debriefing

Any Vendor may request a debriefing within one (1) week after receiving notification of award, to discuss the Selection Committee's evaluation of its bid proposal. Request for debriefing shall be made in writing to the Purchasing Manager. Debriefing shall not include discussions of any competing bids.

Massachusetts Public Record Law

All bids and related documents submitted in response to this RFP are subject to the Massachusetts Public Records Law, Massachusetts General Law Chapter 66, Section 10 and to M.G.L. Chapter 4, Section 7, Subsection 26, regarding public access to such documents. Statements in the bid response that are inconsistent with those statutes will be disregarded. Any additional questions regarding the Public Records Law should be directed to the Public Records Division at: (617) 727-2832 during regular business hours. You may also access various Public Records Division publications through the Internet at: www.sec.state.ma.us/pre.

Transfers and Subcontracting

The Vendor may not subcontract, in whole or in part, any portion of this contract without the written consent of the University.

Nondiscrimination in Employment and Affirmative Action

The Contractor shall not discriminate against any qualified employee or applicant for employment because of race, color, national origin, ancestry, age, sex, religion, physical or mental handicap, or sexual orientation. The Contractor agrees to comply with all applicable Federal and State statutes, rules and regulations prohibiting discrimination in employment including but not limited to: Title VII of the Civil Rights Act of 1964; the Age Discrimination in Employment Act of 1967; Section 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; and M.G.L. c.151B.

Vendor Not Employee of UML

The Vendor, or his employees or agents performing under the agreement, are not to be deemed to be employees of UML nor to be agents of UML in any manner whatsoever. The Vendor will not hold himself out as, nor claim to be, an officer or employee of UML and will not make any claim, demand, or application to or for right or privilege applicable to an officer or employee of UML, including, but not limited to, workmen's compensation coverage, unemployment insurance benefits, social security benefits, or retirement membership or credit.
Company information and signature required

Company Name: ____________________________________________________________
Company Address: __________________________________________________________
                                                                                   __________________________________________________________

Tel. #_________________________________________ Fax #____________________________________

Are you
() Woman Owned Business
() Minority Owned Business
() Individual/Sole Proprietorship
() Partnership
() Government
() Non-profit Organization
() Corporation
() Disadvantaged Business
() Other (specify) __________________________________________________________

Tax I.D./ FEIN # _____-____-_____ or S.S.N.# (if individual) _____-____-_____.
Signature of owner or authorized officer*: ______________________________________
Please print name: __________________________________________________________
Title: __________________________________________
Date submitted: ___/___/____
Certification of Non Collusion

The undersigned certifies under penalties of perjury that this Bid or Proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

____________________________________

Authorized Signature*

____________________________________

Printed Name of person signing bid or proposal*

____________________________________

(Name of business)
Business Reference Form

Company Name: ______________________________

1. Reference Name: __________________________  Contact Person: ________________
   Address: ________________________________  Tel Number: ________________
   Description and Dates of Services Provided: ________________________________
   ________________________________________________________________________
   ________________________________________________________________________

2. Reference Name: __________________________  Contact Person: ________________
   Address: ________________________________  Tel Number: ________________
   Description and Dates of Services Provided: ________________________________
   ________________________________________________________________________
   ________________________________________________________________________

3. Reference Name: __________________________  Contact Person: ________________
   Address: ________________________________  Tel Number: ________________
   Description and Dates of Services Provided: ________________________________
   ________________________________________________________________________
   ________________________________________________________________________

**Must list all jobs performed in a similar scope in the past 3 years.** References will be contacted to confirm Bidder’s abilities, qualifications and performance. The University may deem the Bidder’s response unresponsive if a reference is not obtainable from listed reference after reasonable attempts.

---

CL16-AJ-0069 Hydronic Unit Ventilators   Page 6
HVAC PRODUCT: ATTACHMENT A

A. HYDRONIC UNIT VENTILATORS (UV)

1. General: Provide unit ventilators of the valve control blow-thru design having cabinet sizes, capacities, style, and accessories as scheduled. Include in basic unit cabinet, dampers, fans and fanboard assembly, ECM motors, filter, false back, outside air/return air damper and shaft, hot water coils and insulation.

2. Cabinets: Provide 14-ga steel cabinet with exposed edges rounded. Provide removable front panel. Clean, phosphatize, and flow coat with baked primer paint on all steel surfaces. Finish with baked enamel and standard beige color. Provide discharge grilles that are welded steel continuous blade design with spacing no more than 0.230" such that normal pencils cannot penetrate. Provide completely removable panels for access to piping and valves. Provide leveling legs. Provide pipe and valve access compartments at both ends and a pipe chase across the back of unit for crossover piping and wiring.

3. Dampers: Provide one piece heavy gauge extruded aluminum material that has been stiffened by use of multiple components to afford maximum rigidity, strength and corrosion resistance. Seats shall be deep pile polyester material on all side edges; damper blades shall use dual durometer PVC seals with memory suitable for use from -30 degrees to 160 degrees. The damper shafts shall pass through trouble free nylon bearings and be connected to the damper blade using multiple fasteners that utilize vibration resistant components for maximum trouble free life. The damper shall be insulated with closed cell foam insulation.

4. Fan Board Assembly: Provide assembly including fans, fan housings, bearings, and fan shaft. Mount fan assembly on rubber isolators. Fans shall be large diameter (at least 8") for low speed, quiet operation and shall be constructed of high impact mineral filled polymer material. Fans must be mounted on a continuous, precision ground hollow shaft that is supported on one end by a long life bearing and connected to the motor shaft by a coaxial steel coupling with resilient inner ring.

5. ECM Motors: The motor must be driven by an electrically commutated electrical motor (ECM) with permanent magnet rotor. The rotor magnets shall be time stable, non-toxic ceramic magnets (SR-FE). The electrically commutated electrical motor shall be driven by a frequency converter with an integrated PFC filter. Each unit shall also be provided with an automatic transformer with multiple voltage leads to select the design CFM indicated in the schedules and provide a 0-10VDC output signal for BMS integration. Motors shall be easily removable and secured in a wire motor mount bolted to the unit frame.

6. Hydronic Coils: Construct hydronic coils of 5/8" copper tubes with a minimum wall of 0.016", waffle-type aluminum fins with a minimum thickness of 0.045". Coils shall be pressure tested at no less than 350 PSIG at the factory to ensure they are leak tight.

7. Accessories: Provide the following accessories as indicated and/or specified.
   a. Filters: Provide 1" thick MERV 8 throwaway filters
   b. Provide necessary false back of size required to facilitate installation of main and crossover piping.

8. Controls: All automatic temperature controls, controllers, sensors and communication interface board shall be provided and field installed by ATC contractor.

9. Manufacturer: Subject to compliance with requirements, provide unit ventilators of one of the following:
   a. Johnson Controls
   b. Carrier
   c. Magic Aire
   d. or equal
<table>
<thead>
<tr>
<th>UNIT VENTILATORS</th>
<th>MANUFACTURER</th>
<th>BUILDING LOCATION</th>
<th>TOTAL C.A.</th>
<th>FAN</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>UV-1</td>
<td>JCV</td>
<td>ROOM 108</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-2</td>
<td>JCV</td>
<td>ROOM 106</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-3</td>
<td>JCV</td>
<td>ROOM 102</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-4</td>
<td>JCV</td>
<td>ROOM 114</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-5</td>
<td>JCV</td>
<td>ROOM 112</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-6</td>
<td>JCV</td>
<td>ROOM 116</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-7</td>
<td>JCV</td>
<td>ROOM 118</td>
<td>500</td>
<td>200</td>
<td>12.6</td>
</tr>
<tr>
<td>UV-8</td>
<td>JCV</td>
<td>ROOM 208</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-9</td>
<td>JCV</td>
<td>ROOM 204A</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-10</td>
<td>JCV</td>
<td>ROOM 206A</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-11</td>
<td>JCV</td>
<td>ROOM 209</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-12</td>
<td>JCV</td>
<td>ROOM 207</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-13</td>
<td>JCV</td>
<td>ROOM 205</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-14</td>
<td>JCV</td>
<td>ROOM 203</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-15</td>
<td>JCV</td>
<td>ROOM 201</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-16</td>
<td>JCV</td>
<td>ROOM 202</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-17</td>
<td>JCV</td>
<td>ROOM 200</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-18</td>
<td>JCV</td>
<td>ROOM 208</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-19</td>
<td>JCV</td>
<td>ROOM 204</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-20</td>
<td>JCV</td>
<td>ROOM 206</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-21</td>
<td>JCV</td>
<td>ROOM 209</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-22</td>
<td>JCV</td>
<td>ROOM 207</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-23</td>
<td>JCV</td>
<td>ROOM 205</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-24</td>
<td>JCV</td>
<td>ROOM 203</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-25</td>
<td>JCV</td>
<td>ROOM 201</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-26</td>
<td>JCV</td>
<td>ROOM 202</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-27</td>
<td>JCV</td>
<td>ROOM 200</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-28</td>
<td>JCV</td>
<td>ROOM 208</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-29</td>
<td>JCV</td>
<td>ROOM 204</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-30</td>
<td>JCV</td>
<td>ROOM 206</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-31</td>
<td>JCV</td>
<td>ROOM 209</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-32</td>
<td>JCV</td>
<td>ROOM 207</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-33</td>
<td>JCV</td>
<td>ROOM 205</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-34</td>
<td>JCV</td>
<td>ROOM 203</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-35</td>
<td>JCV</td>
<td>ROOM 201</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-36</td>
<td>JCV</td>
<td>ROOM 202</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-37</td>
<td>JCV</td>
<td>ROOM 200</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-38</td>
<td>JCV</td>
<td>ROOM 208</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-39</td>
<td>JCV</td>
<td>ROOM 204</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-40</td>
<td>JCV</td>
<td>ROOM 206</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-41</td>
<td>JCV</td>
<td>ROOM 209</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-42</td>
<td>JCV</td>
<td>ROOM 207</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-43</td>
<td>JCV</td>
<td>ROOM 205</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-44</td>
<td>JCV</td>
<td>ROOM 203</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-45</td>
<td>JCV</td>
<td>ROOM 201</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-46</td>
<td>JCV</td>
<td>ROOM 202</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-47</td>
<td>JCV</td>
<td>ROOM 200</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-48</td>
<td>JCV</td>
<td>ROOM 208</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-49</td>
<td>JCV</td>
<td>ROOM 204</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-50</td>
<td>JCV</td>
<td>ROOM 206</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-51</td>
<td>JCV</td>
<td>ROOM 209</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-52</td>
<td>JCV</td>
<td>ROOM 207</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-53</td>
<td>JCV</td>
<td>ROOM 205</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-54</td>
<td>JCV</td>
<td>ROOM 203</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-55</td>
<td>JCV</td>
<td>ROOM 201</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
<tr>
<td>UV-56</td>
<td>JCV</td>
<td>ROOM 202</td>
<td>1000</td>
<td>400</td>
<td>42.2</td>
</tr>
</tbody>
</table>
ATTACHMENT C

BID FORM – BID # CL16-AJ-0069
UNIVERSITY OF MASSACHUSETTS LOWELL

**Pricing:**

Hydronic Unit Ventilators

- UV-1 – UV-6 $___________
- UV-7 – UV-33 $___________

**TOTAL PRICE** $___________

Warranty term ____________

**Total Price must include the delivery and warranty**

Delivery no later than June 1, 2016

*In addition to the bid amounts stated above, we agree to abide by all the terms and conditions set out in the Bid.*

Vendor

________________________________________________________________________

Address

________________________________________________________________________

Contact Name

________________________________________________________________________

Telephone #

________________________________________________________________________

[Type text]
VENDOR BIDDER CHECK LIST

AS A QUALIFIED BIDDER, HAVE YOU INCLUDED:

____ Company information and signature
____ Certificate of non-collusion and tax compliance
____ Business Reference
____ Completed Form for General Bid Attachment A

____ Bids must be delivered No later than 11:00 AM EST., Friday, March 25, 2016. Bids received after this date and time will not be accepted.