

BID # CHA19-01

ADDENDUM NUMBER 01

REQUEST FOR BIDS FOR:

**Chancellor's Office Data Center Power/Cooling Project at the
Chancellor's Office, 26 College Drive, Concord NH at
New Hampshire Technical Institute, Concord's Community College
February 7, 2019**

TO: ALL CONTRACT BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the Request for Bids dated January 28, 2019 with amendments and additions noted below.

This Addendum consists of a total of nine (9) pages.

ADDITIONS TO THE REQUEST FOR PROPOSAL:

Clarifications (3 Pages)

Mandatory Site Walk Sign in Sheet from February 4, 2019 site walk is attached. (1 Page)

Mandatory Site Walk Sign in Sheet from February 5, 2019 site walk is attached. (2 Pages)

Revised Bid Proposal Form is attached (3 Pages)

CLARIFICATIONS TO THE REQUEST FOR PROPOSAL:

INVITATION TO BID – CCSNH

- 1) Bids due date has changed to **Tuesday, February 19, 2019** no later than 3pm.
- 2) If Bidder needs to visit server room for any reason contact Larry Griswold (603)230-3573.
- 3) Change cooling configured for N+1. InRows to be 20 Ton units each with humidification. We will need only 2 units not 3. The 2 will cycle between them. This will save rack space and provide more available cooling. Maintenance can be done on one while the other keeps the racks fairly cool. There isn't a possibility of having the Liebert as a backup and should not be factored into the N+1 design.
- 4) The server racks need to be 42U, 24" wide and 42" deep for cabling. We don't need any wide racks.
- 5) Each server rack needs to be equipped with a Rackmount ATS/8-Outlet/120V Transfer Switch that will provide power to single source devices but also be protected by both Side A and Side B UPS power.
- 6) Remove the 2 existing, disconnected Mitsubishi condensers on the roof.
- 7) We would like an EPO button for our new equipment at both Data Center doors.
- 8) Move the L3 Circuit Breaker panel to another wall and remove that wall.
- 9) Vendors to be creative in minimizing the racks space via UPS or Cooling designs that can still give us 20KVA to both A and B rails of the racks.
- 10) InRows to be 20 Ton units each with humidification. We will need only 2 units not 3. The 2 will cycle between them. Maintenance can be done on one while the other keeps the racks fairly cool.

Bidders Questions:

1. **Q:** Section 2.4 states that Bids, along with a proposal guaranty shall be enclosed in sealed bid and Part 5 PROPOSAL GUARANTY was intentionally omitted) what is required?

A: Bid form to be submitted electronically in an e-mail to MATTHEW MOORE, DIRECTOR OF CAPITAL PLANNING AND DEVELOPMENT, E-MAIL memooore@ccsnh.edu . No bid bond required.

2. **Q:** What is the desired physical dimensions of the (4) server/storage/network racks? server racks are typically 24"w x 42"d x 78"h and network racks are typically 30"w x 42"d x 78"h

A: ALL server/storage/network racks will be 24"x42"x78"h

3. **Q:** Should the UPS have internal N+1 redundant power modules, what is the minimum battery runtime required?

A: Need 15 minutes' battery time. CCSNH would like the smallest foot print to reduce floor space. N+1 redundant power modules would be nice, but not necessary.

4. **Q:** Do you require decommission and removal of (2) Mitsubishi AC rooftop units?

A: Yes

5. **Q:** InRow cooling units - 20 tons of AC equates to 70 kW of heat removal capacity. Once complete there will be 20kW UPS capacity available for CCSNH and 20kW UPS capacity available for NHTI. Power in = heat out therefore the I would not anticipate requiring more that 50kW(15 tons) of heat removal capability. I believe the existing Liebert is model VH199 which is a 15 ton unit.

A: Correct

6. **Q:** Will the existing Liebert be left in place and included in the N+1 redundant cooling architecture? This will allow one unit to be off and the others will still cool the room.

A: Yes

7. **Q:** For the 5 years of service to be included how many PM visits do you require each year? What level of onsite emergency response is required, NBD, 8hr, 4r?

A: 3 PM's to clean to roof top units (early spring, July and mid Fall) and 4-hour response time

8. **Q:** Do you require the new cooling units to have humidification?

A: Liebert has humidification. The new units do not need humidification.

9. **Q:** Do you require centralized data center monitoring software such as Struxureware? If so, do you require a server appliance or a virtual license?

A: Yes, and we can build a server to host the software



10. **Q:** There is an existing EPO button for the NHTI UPS. According to NFPA 70 an EPO shall disconnect power to all electrical equipment within the room, please refer to WP-22 for . Do you want to include proper installation with the proposal?

A: Yes, at both Data Center doors

11. **Q:** The rfp states that CCSNH shall secure and pay for all Permits and Fees required by the Work of this Contract, please confirm this is accurate?

A: The CCSNH gets its permits from the State Fire Marshal's Office (SFMO), not thru the city. We will apply and pay for the permits thru the SFMO.

12. **Q:** Is there space onsite to store/stage equipment? This is required in order to phase in the new equipment racks and provide you time to re-rack gear. If not, we can include off-site storage.

A: We will have the area by the Liebert cleaned out to stage equipment

13. **Q:** Is there a ground level entry door for moving equipment inside the building?

A: There is a ramp to comes around the building to the IT entry door.

**Acknowledge receipt of this Addendum with the Proposal Form.
Failure to do so may disqualify the Bidder.**

NOTE: IN THE EVENT THAT YOUR BID HAS BEEN SENT TO THIS OFFICE PRIOR TO RECEIVING THIS ADDENDUM, RETURN THE ADDENDUM WITHIN THE SPECIFIED TIME WITH ANY CHANGES YOU MAY WISH TO MAKE AND MARK ON THE REMITTANCE ENVELOPE BID INVITATION NUMBER AND OPENING DATE. RETURNED ADDENDA WILL SUPERSEDE PREVIOUSLY SUBMITTED BID.

Bidder _____

By _____ Date _____
(This Document Must Be Signed)

Name _____
(Please Print or Type Name)

Matthew Moore, P.E.
Director of Capitol Planning & Development
Community College System of New Hampshire
26 College Drive, Concord, N.H. 03301

END OF DOCUMENT

Sign In Sheet

Page ____ of ____

Subject: Chancellor's Office Data Center Power/Cooling Project
Project # : CHA19-01
Site Walk – Mandatory For Bidders

Date: MONDAY, FEBRUARY 4TH, 2019

Time: 9:00 AM

Location: 26 College Drive, Concord, NH
on NHTI-Concord's Community College Campus

No oral explanation in regard to the meaning of the Bidding Documents will be made and no oral instructions will be given before the award of the Contract. Discrepancies, omissions or doubts as to the meanings of Bidding Documents shall be communicated in writing to the Director of Capital Planning and Development for interpretation no later than five (5) working days before the hour and date set for the bid opening. Any interpretations will be in the form of an Addendum to the Bidding Documents that will be forwarded to all Bidders of record and sent to all other locations identified in the Invitation to Bid where documents are made available.

NAME:	COMPANY:	PHONE:	E MAIL:
KEN BLISS	6SPH	603-235-6739	KBLISS@6SPHINC.COM
Mike Turano	Power Solutions	401-450-6655	mturano@power-solutions.com
Steve Scarponi	Scarponi Electric	603-332-5611	Steve@ScarponiElectric.com
JERRY COTE	M2 MECHANICAL	603 765-9177	JERRYHVC@ M2 SERVICE GROUP

SHAUN
DOBINS

LORDON
ASSOC.

207-899-3523 sdobbins@lordonassoc.com.

Sign In Sheet

Page ____ of ____

Subject: Chancellor's Office Data Center Power/Cooling Project
Project # : CHA19-01
Site Walk – Mandatory For Bidders

Date: Tuesday, February 5th, 2019

Time: 9:00 AM

Location: 26 College Drive, Concord, NH
on NHTI-Concord's Community College Campus

No oral explanation in regard to the meaning of the Bidding Documents will be made and no oral instructions will be given before the award of the Contract. Discrepancies, omissions or doubts as to the meanings of Bidding Documents shall be communicated in writing to the Director of Capital Planning and Development for interpretation no later than five (5) working days before the hour and date set for the bid opening. Any interpretations will be in the form of an Addendum to the Bidding Documents that will be forwarded to all Bidders of record and sent to all other locations identified in the Invitation to Bid where documents are made available.

NAME:	COMPANY:	PHONE:	E MAIL:
Charles Lonnick	Tolco Buildy S1504	978-663- 0292	CLONNICK@ TolcoCorp.com
JEFF Flynn	BCPi	774-291- 9039	JEFF@BCPi.com
Kim Gibson	LONGDEN	508-328- 2987	kgibson @longden.com
Jim Bigelow	MST	603 321 2572	jbigelow@mst mechanical.com

[illegible]

SECTION 00300 – BID PROPOSAL FORM – CCSNH**PROPOSAL – STIPULATED BASE LUMP SUM GRAND TOTAL BID – GENERAL CONSTRUCTION**

PROPOSAL TO: Received no later than 3:00 PM, Tuesday, February 19th, 2019.
Matthew Moore, PE
memooore@ccsnh.edu
Director of Capital Planning & Development
Community College System of New Hampshire
26 College Drive
Concord, New Hampshire 03301

SUBJECT: Project # CHA19-01
Project Name: Chancellor's Office Data Center Power Cooling Project
26 College Drive, Concord, NH 03301-7407

1. CERTIFICATION

The undersigned Prime Contractor _____

(Contractor's Name Printed Here)

certifies that they have examined and fully comprehend the requirements and intent of the Bidding and Contract Documents for this Project, including any and all Addenda issued, and also certifies that they have visited the location of the Project work and examined all conditions at the site which will affect the work.

2. BASE BID (STIPULATED LUMP SUM GRAND TOTAL)

The undersigned Contractor proposes to furnish all labor, materials, equipment, services and related items necessary for, or incidental to, the proper execution and completion of the Work in strict conformance with the Bidding and Contract Documents, on or before the time of completion specified, for the Stipulated Sum for Materials plus Labor of:

TOTAL BASE BID AMOUNT (sum of 2.a + 2.b + 2.c + 2.d):

(Words)

DOLLARS (\$ _____)

(Figures)

2.a) Provide a breakout below of the Cooling Equipment costs contained in the Total Base Bid Amount above to satisfy the Owner's insurance requirements.

COOLING EQUIPMENT (equipment only):

(Words)

DOLLARS (\$ _____)

(Figures)

2.b) Provide a breakout below of the UPS Equipment costs contained in the Total Base Bid Amount above to satisfy the Owner's insurance requirements.

UPS EQUIPMENT (equipment only):

(Words)

DOLLARS (\$ _____)

(Figures)

2.c) Provide a breakout below of the Other Materials costs contained in the Total Base Bid Amount above to satisfy the Owner's insurance requirements.

OTHER MATERIALS (equipment only):

(Words)

DOLLARS (\$ _____)

(Figures)

2.d) Provide a breakout below of the Labor costs contained in the Total Base Bid Amount above to satisfy the Owner's insurance requirements.

LABOR:(Labor for total project)

(Words)

DOLLARS (\$ _____)

(Figures)

DATA CENTER DOWNTIME: _____ DAYS

3. ADDENDUM RECEIPT

The undersigned Contractor acknowledges the receipt of the following Addenda to the Bidding and Contract Documents, but he agrees that he is bound by all Addenda, whether or not listed herein:

Addendum No. 1 _____ Dated: _____

STATEMENT OF NON-COLLUSION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief: (1) The prices in this bid have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition as to any matter relating to such prices with any other bidder or with any competitor; (2) Unless required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any other competitor, and (3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

SIGNATURE: _____

NAME: _____

TITLE: _____

DATE: _____

PHONE: _____

EMAIL: _____

Corporate Seal: