

TENDER #4252

Controls Recommissioning & HVAC Repairs Charles P. Allen High School

Tender Closing Date: Tuesday – October 8th, 2024

Tender Closing Time: 2:00 PM (ATL)

Submission Email: hrcetenders@hrce.ca

Ready-for-Takeover Date: Friday January 31st, 2025

HRCE Procurement Contact: Operations Contact:

Nancy Rideout, Purchasing Manager Thomas Kendell, Energy Manager

Tel: (902) 464-2000 ext 2222 Cell: (902) 802-4419

Email: <u>nrideout@hrce.ca</u> Email: <u>Thomas.Kendell@hrce.ca</u>

<u>School Location:</u> <u>Mandatory Site Meeting for Bidders:</u>

Charles P. Allen High School Tuesday – October 1st, 2024, at 9:00 am

200 Innovation Dr Charles P. Allen High School Bedford, NS B4B 0G4 Please meet at School Entrance

Tender submissions are to be submitted by email to: hrcetenders@hrce.ca

Tender documents are available for download from the HRCE's Website: https://www.hrce.ca/about-hrce/financial-services/tenders/tender-listing

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End of Section 00 00 01

SECTION 00 00 15 - DESCRIPTION OF WORK

1. General

- 1.1. The work of this contract includes the provision of all materials, labour and equipment necessary to complete the Recommissioning of Controls and HVAC repairs at Charles P. Allen High School, as noted on the scope of work outlined in this tender.
- 1.2. The ready for take over date of this work is **Friday January 31**st, **2025.**
- 1.3. The whole of the work shall agree in all particulars with the levels, measurements and details contained in the scope of work accompanying this specification and with such other drawings or information as supplied by the HRCE in the form of an Addenda or may be supplied by the Contractor and reviewed by the HRCE and issued in the form of an Addenda.

End of Section 00 00 15

SECTION 00 21 13 - INFORMATION FOR BIDDERS

Project: Tender 4252 Recommissioning Controls & HVAC repairs – Charles P.

Allen High School

Owner: Halifax Regional Centre for Education

33 Spectacle Lake Drive Dartmouth, NS B3B 1X7

Consultant: Halifax Regional Centre for Education

1. Invitation:

Bid Call

- 1.1. The HALIFAX REGIONAL CENTRE FOR EDUCATION (HRCE) will receive offers in the form of a bid from Contractors which is signed and received on or before the date and time specified on the cover sheet of this document. The HRCE deems the correct time to be the time indicated on the email receipt date and time. The email address to submit submissions and amendments is hrcetenders@hrce.ca. If the electronic submission is larger than 25mb, proponents have the option of sharing files from google drive to hrcetenders@gnspes.ca. If you encounter difficulties kindly contact the HRCE purchasing team for further clarification. Please submit files in PDF format.
- **1.2.** Bids received (emails received) after the closing time/date will not be accepted.
- **1.3.** Proponents are required to submit completed Bid documents by email. The attached file and email should be named "4252_Recommissioning Controls & HVAC Repairs_Proponent Name".
- 1.4. Bids will be opened at the time indicated on the cover sheet of this document. As of April 1, 2014, Public tender openings are no longer held for any tenders relating to goods, services or construction for HRCE. A list of tenderers and bid amounts will be posted on the Procurement Services website (http://novascotia.ca/tenders/tenders/ns-tenders.aspx) shortly following the closing of the tender. All bid submissions are subject to evaluation after opening and before award of contract. The winning tenderer and award amount will be posted on the Procurement Services website (http://novascotia.ca/tenders/tenders/ns-tenders.aspx) after award.

- 1.5. In the light of COVID-19 and future pandemics, all vendors are required to follow the guidelines set in place by Nova Scotia Health Authority. Potential risks such as restricted accessibility to schools and buildings of the HRCE, inability to complete work on a timely manner due to social distancing, disabled supply chains which will result in delivery delays of raw materials and finished goods, labor shortages and additional storage costs should be clearly communicated with the HRCE Personnel on a timely manner to ensure an amicable solution can be agreed between the HRCE and the vendor/contractor. The HRCE will not be liable for any direct or indirect loss incurred due to the pandemic.
 - **1.6.** Amendments to the submitted offer will be permitted if received via electronic mail in writing prior to bid closing and if endorsed by the same party or parties who signed and executed the offer.
 - **1.7.** Faxed Bid Submissions will not be accepted, nor will regular mail or hand delivery submissions.

2. Intent

The intent of this bid call is to obtain an offer to perform all work associated with **TENDER #4252**, **Recommissioning Controls & HVAC Repairs** at **Charles P. Allen High School** for a Stipulated Price Contract in accordance with the Contract Documents.

3. Scope of work

Refer to Section 00 21 73 – Scope of Work

4. Availability

- **4.1.** Bid Documents may be obtained as per the directions on the cover sheet of this document.
- **4.2.** Bid Documents are made available only for the purpose of obtaining offers for this project. Their use does not confer a license or grant for other purposes.
- **4.3.** The HRCE is not responsible for accuracy of documents and project postings obtained from any other source.

5. Examination

- **5.1.** Upon receipt of Bid Documents verify that documents are complete; notify the HRCE's Buyer by email to dwalpola@hrce.ca, should the documents be incomplete, or upon finding discrepancies or omissions in the Bid Documents.
- **5.2.** Bidders shall become fully aware of the content of all tender documents for the preparation of the Bidder's offer.

5.3. Bidders will be deemed to have familiarized themselves with the existing site and working conditions and all other conditions which may affect the performance of the work. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.

6. Clarification and Addenda

- **6.1.** Notify Don Walpola, Buyer, by email to dwalpola@hrce.ca no less than five (5) working days before Tender Closing of any questions, omissions, errors or ambiguities found in tender documents. If HRCE considers that correction, explanation or interpretation is necessary, a reply will be in the form of an addendum, a copy of which will be posted on the HRCE tender website as applicable, and it is the responsibility of the Bidder to ensure all addenda are received and acknowledged.
- **6.2.** Addenda will be issued no less than three (3) business days before tender closing date and time and will form part of the Contract Documents.
- **6.3.** Verbal answers are only binding when confirmed by written addenda. The HRCE and its representatives shall not be bound by or be liable for any representation or information provided verbally. Information obtained by any other source is not official and will not bind the HRCE.
- **6.4.** Confirm in the tender form (section 00 41 13) that all addenda have been received.

7. Product/SystemOptions

- **7.1.** Where the Bid Documents stipulate a particular product, alternatives may be considered by the Consultant/Owner up to five (5) working days before tender closing date and time. Bidders must forward their written requests by email to: dwalpola@hrce.ca. The Buyer will relay the requests to the appropriate person(s) for review.
- **7.2.** When a request to substitute a product is made, the HRCE may approve the substitution and will issue an Addendum to known bidders.
- **7.3.** In submission of alternatives to products specified, bidders shall include in their bid, any changes required in the work to accommodate such alternatives. A later claim by the bidder for an addition to the contract price because of changes in work necessitated by use of alternatives shall not be considered.
- **7.4.** The submission shall provide sufficient information to enable the Consultant to determine acceptability of such products.
- **7.5.** Submission of an alternate must provide complete information on required revisions to other work to accommodate each alternate, the dollar amount of additions to or reductions from the Bid Price, including revisions to other Work.
- **7.6.** Alternates must be submitted in above manner; otherwise, they will not be considered.

8. Mandatory Tenderers' Site Meeting (Site Assessment)

- **8.1.** Tenderers will be deemed to have familiarized themselves with existing project site and working conditions and all other conditions, which may affect performance of the Contract. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.
 - **8.1.1.** A Mandatory Tenderers' Site Meeting has been scheduled as per the information on the cover sheet of this document. All Tenderers are required to attend. Representatives of the HRCE will be in attendance.
 - **8.1.2.** Required information shared at the mandatory site meeting will be issued by addendum prior to the tender close date.

9. Bid Submission

- **9.1.** Submissions
 - **9.1.1.** Tenderers shall be solely responsible for the delivery of their bids in the manner and time prescribed.
 - **9.1.2.** Bids must be submitted on the **Bid Form** provided by the HRCE (Section 00 41 13 Bid Form). These forms are to be fully completed with the signature in longhand, and corporate sealed as applicable, and the completed form shall be without interlineations, alterations or erasures. Bid submissions sent by fax, regular mail or hand delivery will not be accepted.
 - **9.1.3.** Fully complete the Tender Bid Form and enter the contract price in both written words and numerals. Where this bid is requested in both words and numbers, and if the two (2) do not represent the identical amount, words shall prevail.
 - **9.1.4.** Submit the executed offer on the Bid Forms, clearly identified with tenderer's name, project name and tender number by email as instructed.

10. Accuracy of Referencing

10.1. Indexing and cross-referencing are for convenience only.

11. Conditions of Tendering

11.1. Take full cognizance of content of all Contract Documents in preparation of Tender. Refer to Section 00 41 13 – Tender Form, Subsection 5.0 for a complete list of Contract Documents.

12. Preparation of Tender

12.1. Complete Tender Bid Form (section 00 41 13) provided with Contract Documents in ink. Tender all items and fill in all blanks. Have corrections initialed by person signing Tender. Bidders are required to provide all information as detailed.

13. Amendment or Withdrawal of Tender

- **13.1.** Tenders may be amended or withdrawn by email only, prior to date and time of closing.
- **13.2.** A Tender Price Amendment Form is provided in Section 00 41 73.
 - **13.2.1.1.** The Tender Price Amendment Form provided is the standard Master form for submission of all tender price amendments for this project.
 - **13.2.1.2.** Copy and complete form, as directed, for all tender price amendments submitted.
- **13.3.** Amendments shall not disclose either original or revised total price.
- **13.4.** Sign, execute and submit via email prior to time of Tender Closing.

14. Bid Ineligibility (reason for rejection)

- **14.1.** HRCE may reject a bid which has been received prior to the closing time where:
- **14.1.1.** The bid is not submitted on the required bid form (Section 00 41 13) included herein.
- **14.1.2.** The bid not submitted in the required format-electronically.
- **14.1.3.** The bid has been submitted to the incorrect recipient.
- **14.1.4.** There are omissions of information that HRCE in its sole discretion deems to be significant.
- **14.1.5.** The bid is not signed as required.
- **14.1.6.** The bid has conditions attached which are not authorized by the invitation to bid.
- **14.1.7.** The bid fails to meet one or more standards specified in the invitation to bid.
- **14.1.8.** All addenda have not been acknowledged.
- **14.1.9.** Any other defect which, in the opinion of the HRCE brings the meaning of the bid into question.
- **14.1.10.** A major irregularity is a deviation from the bid request which affects the price, quality, quantity, or delivery of the project and is material to the award and is a reason for rejection.
- **14.1.11.** A minor irregularity is a deviation from the bid request which affects form, rather than substance. The effect on price, quality, quantity or delivery is not material to the award, and may be waived by the HRCE.
- 14.1.12. The required bid security in the required form is not provided. N/A for this project
- **14.1.13.** Tenderer failed to attend Tenderers' Mandatory Site Meeting.

15. Communications Affecting Bids

- **15.1.** Transmissions, including, but not limited to facsimile transmission:
 - **15.1.1.** The bid forms submitted by facsimile or mail delivery, or hand delivery are not acceptable and will be rejected.

16. Right to Accept or Reject any Tender

- **16.1.** The HRCE reserves the right to reject any bid in its sole and absolute discretion for any reason whatsoever.
- **16.2.** The HRCE specifically reserves the right to reject all bids if none is considered to be satisfactory in the HRCE's sole and absolute discretion and, in that event, at its option, to call for additional bids.
- **16.3.** Without limiting the generality of any other provision herein, the HRCE reserves the right to accept or reject any bid in accordance with bullet #14 above. (Bid Ineligibility)
- **16.4.** Notwithstanding the above, the HRCE shall be entitled, in its sole and absolute discretion, to waive any irregularity, informality or non-conformance with these instructions in any proposal received by the HRCE. HRCE reserves the right to reject any or all tenders, or to accept any tender, or portion thereof, deemed in its best interest.
- **16.5.** In the event that a number of Tenderers submit bids in substantially the same amount, the HRCE may, at its discretion, call upon those Tenderers to submit further bids or take into consideration any value added services being provide in determination of award.
- **16.6.** No term or condition shall be implied, based upon any industry or trade practice or custom or in a practice or policy of the HRCE or otherwise, which is inconsistent or conflicts with the provisions contained in these Instructions.

17. Bid Form Requirements

17.1. Bid Submission

- **17.1.1.** Bidders shall be solely responsible for the delivery of their bids in the manner and time prescribed.
- **17.1.2.** Bids must be submitted on forms provided by the HRCE. These forms must be entirely completed with the signature in pen. The completed form shall be without interlineations, alterations or erasures.
- **17.1.3.** Proponents are to submit completed Bid documents by email. The electronic file should be named "**4252_Recommissioning Controls & HVAC Repairs_Proponent Name**". Improperly completed information, irregularities, in required enclosures may be caused to declare the bid informal.

17.2. Bid Signing

17.2.1. The bid form **must** be signed and under the seal (as applicable) by a duly authorized signing officer(s) in their normal signatures.

18. Offer Acceptance / Rejection

18.1. Duration of offer

Bids shall remain open to acceptance and shall be irrevocable for a period of ninety

(90) days after the tender closing date.

18.2. Award/Selection/Acceptance of Offer

- **18.2.1.** In the evaluation of a bid, the Contract Authority will consider, but not be limited to, the following criteria. The order of the criteria as listed does not indicate any relative importance.
 - **18.2.1.1.** Compliance with Bid requirements.
 - **18.2.1.2.** Bid price submitted.
 - **18.2.1.3.** Bids, or parts of Bids, which exceed stated requirements to the benefit of the Owner.
 - **18.2.1.4.** Acceptability of materials proposed for the work.
 - **18.2.1.5.** The qualifications and experience of the bidder with similar projects in size and scope.
 - **18.2.1.6.** References.
 - **18.2.1.7.** Total cost to Owner which may include impacts to capital and/or operating costs of other components of the project.
 - **18.2.1.8.** Delivery schedule of equipment.
 - **18.2.1.9.** Completion date.
 - **18.2.1.10.** Overall quality of Bid presentation.
- **18.2.2.** After determination of preferred bidder, consideration will be given to Alternatives and Contract Price Adjustments.
- **18.2.3.** The Owner's evaluation of any and all bid submission(s) will be final.
- **18.3.** The HRCE reserves the right to accept or reject any or all offers or to accept any offer deemed most satisfactory, The HRCE reserves the right to waive any informality in any other bids.
- **18.4.** After acceptance HRCE will issue to the successful bidder, a written bid acceptance and an official purchase order.

19. Bid and Contract Security – Not applicable for this project

- **19.1.** <u>Tender</u>: A bid bond or certified cheque / bank draft of <u>10% of the contract</u> amount, made payable to the *Halifax Regional Centre for Education*, must be included with the bid.
 - **19.1.1.** A legible scanned copy of the bid bond, electronic Bid Bond or Certified Cheque can be submitted with the bid via email.
 - **19.1.2.** If requested by the HRCE, the bidder will provide the original bid bond without delay.
- **19.2.** Upon award of contract, the Contractor is to provide:
 - **19.2.1.** a 50% Performance Bond in accordance with the General Conditions of the Contract prior to the signing of the Contract Documents with the Owner.
 - **19.2.2.** a 50% Labour and Materials Bond in accordance with the General Conditions of the Contract prior to the signing of the Contract Documents with the Owner.
 - **19.2.3.** In lieu of Performance Bond and Labour / Materials Bond, the HRCE retains the right to hold the 10% certified cheque / bank draft as security for the duration of the project.
- **19.3.** As and where requested, a Certified Cheque or Bank Draft submitted during the bid period may be cashed, and the amount retained by the HRCE shall serve as Performance Assurance, including the payment of all obligations arising under the contract.
- **19.4.** The amount remaining may be returned, without interest, after a period not less than 12 months after the issue of Substantial Completion Certificate certified by the HRCE and not until completion of the Contract.
- **19.5.** Where Certified Cheque or Bank Draft is used as Performance Assurance, include the cost of providing the certified cheque in the contract price.

20. Insurance Requirements

- **20.1.** General Contractor shall secure and maintain at its expense during the term of the Insurance:
 - **20.1.1.** Workers' Compensation to meet Statuary requirements and/or Employers Liability.
 - **20.1.2.** Commercial General Liability Insurance must insure the general contractor(s) and all sub- contractors on this project:
 - **20.1.2.1.** including but not limited to, products liability and completed operations, loading and unloading operations for a combined single limit of no less than \$5,000,000.00 per occurrence.
 - **20.1.3.** Commercial Auto Liability insurance covering all owned, non-owned and hired vehicles for a minimum combined single coverage of \$5,000,000.00 per occurrence.

- **20.1.4.** Hoist and Crane Liability insurance equal to the value of the load that will be lifted (where applicable)
- **20.1.5.** Motor Truck Cargo with per conveyance limit equal to the values of the Supply and Install Plate Exchange (<u>where applicable</u>)
- 20.1.6. Deliver a certificate of insurance evidencing the above prior to work being performed. It is also agreed that the above insurance coverage is primary and must be kept in force during the term of this agreement. Furthermore, HRCE must receive, in writing, at least thirty (30) days' notice of cancellation or modification of the above insurances. All insurance policies or certification documents shall specify coverage being applicable to this contract. The Contractor shall not do or omit to do or suffer anything to be done or omitted to be done which will in any way impair or invalidate such policy or policies of insurance.
- **20.2.** Primary Insurance- Supplier agrees that the insurance as required above shall be primary and non-contributory.
- **20.3.** No limitation- Supplier is responsible for determining whether the above minimum insurance coverage's are adequate to protect its interests. The above minimum coverage's do not constitute limitations upon Supplier's Liability.
- **20.4.** Endorsements For the policies in para 19 above, there shall contain an endorsement naming HRCE and its Affiliates as an Additional Insureds, and eliminating and removing any exclusion of liability for:
 - **20.4.1.** injury, including bodily injury and death to an employee of the insured or of HRCE, or
 - **20.4.2.** any obligation of the insured to indemnify, hold harmless, defend, or otherwise make contribution to the HRCE because of damage arising out of injury, including bodily injury and death, to an employee of HRCE.

21. Taxes

- **21.1.** The General Conditions of the Contract state that the Contractor as of April 1, 1997 and thereafter, the Contractor is required to pay all Harmonized Sales Tax (HST).
- **21.2.** The HRCE is not exempt from HST. As a result, the aggregate amount of the bid for contracts is subject to HST; however, **contract pricing submitted shall not include HST.**
- **21.3.** Exclude Harmonized Sales Tax in Tender Contract Price, unless requested to do otherwise.

Section 00 21 73 - SCOPE OF WORK

1. Summary of Section

- 1.1. As summarized but not restricted to:
 - 1.1.1. This tender is for the implementation of control optimizations, equipment repairs, and HVAC system issue mitigation for Charles P Allen High School. The project measures are focused on the school's heat, ventilation and cooling (HVAC) systems for Charles P Allen High School. Work will require knowledge of and experience working with building automation systems (BAS) and HVAC equipment and systems. The project intends to achieve the following: 1) energy savings; 2) Operational improvements; and 3) address ongoing comfort issues.
 - 1.1.2. Building Automation System: Charles P. Allen High School has Delta Controls for the building automation system. Any BAS sensors or BAS equipment required must to be Delta Controls. The bidder is required to have experience and knowledge with Delta Controls through inhouse staff and/or by partnering with and/or subcontracting a third party.
 - 1.1.3. HVAC Systems: Project measures require experience with and knowledge of:
 - 1.1.3.1. Air Handling Units
 - 1.1.3.2. Heat Pumps
 - 1.1.3.3. Variable Frequency Drives
 - 1.1.3.4. Cooling Towers
 - 1.1.3.5. Humidifiers
 - 1.1.3.6. Heating and Cooling Loops and Pumps
 - 1.1.4. Commissioning and Monitoring and Verification: All project measures will require commissioning and functional testing. Commissioning of project measures with an energy savings component will require a monitoring and verification (M&V) period. The M&V component of commissioning will be directed by the HRCE Energy Manager in cooperation with the successful contractor. Monitoring can include but not be limited to trend logging of BAS control points, power draw spot measurement, and/or energy meter installation. Verification will involve comparing monitored results to expected results. Any equipment required for energy monitoring will be provided and installed by HRCE.
 - 1.1.5. Details regarding the equipment, layout and placement will be discussed at the mandatory site visit.

2. Scope of Work:

Section A: EQUIPMENT SCHEDULES CHANGE – Adjusting the schedules to better match the needs of the building CFR.

1. Update equipment schedules and programs, along with all applicable links to commands to the following schedules:

AHU-1 - M-F 7:30am to 10:30pm, S-S 7:30am to 10:30pm, H-7:30am to 10:30pm.

AHU-2 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-3 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-4 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-5 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-6 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-7 - M-F 7:00am to 10:30pm, S-S Off, H Off.

AHU-8 - M-F 7:30am to 10:30pm, S-S 7:30am to 10:30pm, H-7:30am to 10:30pm.

AHU-9 - M-F 7:30am to 10:30pm, S-S 7:30am to 10:30pm, H-7:30am to 10:30pm.

2. Functionally test and document schedules with HRCE to confirm proper operation.

Section B: AHU-5 HP BUFFER TANK SP OPTIMIZATION – Update buffer tank SP reset to meet supply air requirements.

- 1. Implement new programming for the heat pump buffer tank temperature setpoint resets based on the following:
 - 1.1. Between outdoor air temperatures of -24 Deg C and 14 Deg C, Buffer tank temperature setpoint to be reset between [25 Deg C] and [18 Deg C],
 - 1.2. Between outdoor air temperature of 15 Deg C and 18 Deg C, buffer tank temperature setpoint to rest between [18 Deg C] and [12 Deg C].
 - 1.3. Between outdoor air temperature of 18 Deg C and 30 Deg C, buffer tank temperature to reset between [12 Deg C] and [7 Deg C].
- 2. Implement new programming to prevent the heat pump coil valve for AHU-5 to be able to open if the buffer tank temperature is higher than the Supply Air Temperature Setpoint in cooling or if the buffer tank temperature is lower than the supply air temperature setpoint in heating.
- 3. Functionally test and document new buffer tank setpoint reset sequence with HRCE to confirm proper operation.

*Note that all setpoints outlined above are to be user adjustable.

Section C: HEAT PUMP BUFFER TANK SETPOINT OPTIMIZATION - AHU-6 AND AHU-8 – Update buffer tank SP reset to meet supply air requirements.

- 1. Implement new programming for the heat pump buffer tank temperature setpoint resets for AHU-6 and AHU-8:
 - 1.1. Between outdoor air temperatures of -24 Deg C and 14 Deg C, Buffer tank temperature setpoint to be reset between [25 Deg C] and [18 Deg C],
 - 1.2. Between outdoor air temperature of 15 Deg C and 18 Deg C, buffer tank temperature setpoint to rest between [18 Deg C] and [12 Deg C].
 - 1.3. Between outdoor air temperature of 18 Deg C and 30 Deg C, buffer tank temperature to reset between [12 Deg C] and [7 Deg C].

- 2. Implement new programming to prevent the heat pump coil valve for each air handling unit to be able to open if the buffer tank temperature is higher than the Supply Air Temperature Setpoint in cooling or if the buffer tank temperature is lower than the supply air temperature setpoint in heating.
- 3. Functionally test and document new buffer tank setpoint reset sequence with HRCE to confirm proper operation.
 - *Note that all setpoints outlined above are to be user adjustable.

Section D: HEAT PUMP BUFFER TANK SETPOINT OPTIMIZATION - AHU-9 – Update buffer tank SP reset to meet supply air requirements as well as fix existing heat pump setpoint control.

- 1. Implement new programming for the heat pump buffer tank temperature setpoint resets:
 - 1.1. Between outdoor air temperatures of -24 Deg C and 14 Deg C, Buffer tank temperature setpoint to be reset between [37 Deg C] and [18 Deg C],
 - 1.2. Between outdoor air temperature of 15 Deg C and 18 Deg C, buffer tank temperature setpoint to rest between [18 Deg C] and [12 Deg C].
 - 1.3. Between outdoor air temperature of 18 Deg C and 30 Deg C, buffer tank temperature to reset between [12 Deg C] and [7 Deg C].
- 2. Implement new programming to prevent the heat pump coil valve for AHU-9 to be able to open if the buffer tank temperature is higher than the Supply Air Temperature Setpoint in cooling or if the buffer tank temperature is lower than the supply air temperature setpoint in heating.
- 3. Functionally test and document new buffer tank setpoint reset sequence with HRCE to confirm proper operation.
 - *Note that all setpoints outlined above are to be user adjustable.

Section E: TRIM & RESPOND OPPORTUNITY (DAMPER FEEDBACK) - AHU-2, 3, 4, 5, 6, 7, AND 8 – The application of trim and respond logic. The functional intent of trim and respond operation is to keep dampers between 70% and 90% open. This is achieved by trimming the static pressure setpoint in response to VAV box dampers being more closed (less than 70%). Responding to a single damper open greater than 90% open by stepping the static pressure up will result in ensuring all dampers are under control. This logic works to ensure that the static pressure requirements of the system are optimized under all conditions, not just full load.

- 1. Implement new trim and respond sequence for AHU-2, 3, 4, 5, 6, 7, and 8. The intent of this sequence is to make the static pressure a dynamic setpoint, in response to actual demand at the end devices (VAV boxes). If VAV boxes are satisfied, the static pressure can be reset down ('trim'); and if the VAV boxes are not satisfied, the static pressure can be reset higher ('respond'). The goal is to keep all VAV boxes between 70-90% open, and not maintain an unnecessarily high static pressure at all times; resulting in wasted fan power.
- 2. For each AHU, on a once a minute basis:
 - Aggregate the number of boxes that are commanded fully open
 - If the number of boxes commanded fully open is greater than [four] (operator adjustable) for 3 minutes, then increase the static pressure setpoint by [15 Pa] (operator adjustable); to a maximum setpoint of [86 Pa].
 - If the number of boxes that are commanded fully open is less than [four] for 3 minutes, then decrease the static pressure setpoint by [20 Pa]

- If the number of boxes that are commanded fully open does not meet either criteria for 3 minutes, maintain current static pressure setpoint
- 3. Functionally test and document new trim and response sequence with NRCE to confirm proper operation.
 - *Note that all setpoints outlined above are to be user adjustable.

Section F: OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSORS, GYM SPACE HUMIDITY ISSUES, AND DAMPER CONTROL ISSUES — Replace combined outdoor air temperature and humidity sensor and incorporate space and return air humidity sensors to help with humidity control in the spaces served by AHU-1 and AHU-9. Include new programming to help reduce space humidity when outdoor air conditions allow. Update damper control sequences to allow for economizer cooling as well as dehumidification control.

- 1. Remove and dispose of existing outdoor air temperature and humidity sensor.
- 2. Provide and install new outdoor air temperature and humidity sensor, in the same location.
 - *Sensor to be compatible with existing delta controls
- 3. Provide calibration certificate for the new sensors or calibrate new sensor if factory calibration is not provided.
- 4. Provide and install return air humidity sensors for AHU-1 and AHU-9. Incorporate new sensors into existing BAS and AHU graphics.
 - **Sensors to be compatible with existing delta controls
- 5. Implement a new dehumidification control sequence to alleviate space humidity if the outdoor air conditions allow:
 - 5.1. AHU-1 Dehumidification mode:
 - 5.1.1. When SAT setpoint is satisfied including a deadband of [1 Deg C], return air humidity is above [60 %RH], and outdoor air enthalpy is lower than return air enthalpy, dehumidification mode is to be enabled. When mode is enabled, mixed air dampers to modulate open until return air humidity falls below [60% RH] setpoint. If supply return air humidity falls below setpoint, supply air temperature rises above SAT setpoint by [2 Deg C], or supply air temperature falls bellow SAT setpoint by [1 Deg C], mode to be disabled.
 - 5.1.2. Outdoor air enthalpy and return air enthalpy to be displayed on AHU-1 graphics.
 - 5.1.3. CO control to be a priority over dehumidification mode.
 - 5.1.4. Remove any contradicting programming that prevents the new sequence from working.
 - 5.2. AHU-9 Dehumidification mode:
 - 5.2.1. When SAT setpoint is satisfied, return air humidity is above [60 %RH], and outdoor air enthalpy is lower than return air enthalpy dehumidification mode is to be enabled. When mode is enabled, mixed air dampers to modulate open until return air humidity falls below [60% RH] setpoint. If supply return air humidity falls below setpoint, supply air temperature rises above SAT setpoint by [2 Deg C], or supply air temperature falls bellow SAT setpoint by [1 Deg C], mode to be disabled.
 - 5.2.2. Outdoor air enthalpy and return air enthalpy to be displayed on AHU-9 graphics.
 - 5.2.3. CO2 control to be a priority over dehumidification mode.
 - 5.2.4. Remove any contradicting programming that prevents the new sequence from working.
- 6. Update AHU-1 mixed air dampers control sequence of operations.

- 6.1. Mix air dampers (OAD, MAD, and EAD) to remain in minimum position unless return air CO2 levels rises above setpoint, SAT rises above setpoint and outdoor air enthalpy is lower than return air enthalpy, or dehumidification mode is enabled. Then mix air dampers can modulate to reduce return CO2 levels, SAT, or dehumidify.
- 7. Update AHU-9 mixed air dampers sequence of operations based on outdoor air temperature.
 - 7.1. Mix air dampers (OAD, MAD, and EAD) to remain in minimum position unless return air CO2 levels rises above setpoint, SAT rises above setpoint and outdoor air enthalpy is lower than return air enthalpy, or dehumidification mode is enabled. Then mix air dampers can modulate to reduce return CO2 levels, SAT, or dehumidify.
- 8. Functionally test new sequences with HRCE to confirm proper operation.
 - *Note that all setpoints outlined by: [] are to be user adjustable.

Section G: COMMUNITY CENTRE WATER TO AIR HEAT PUMPS FLOW ISSUE – Add control valves to heat pumps HP-22, HP-34, HP-35, HP-32, and HP-33. Incorporate new control valve into room control. Balance the heat pump loop to determine the new differential pressure setpoint for the system.

- 1. Supply and install new control valves and actuators on the heat pump water supply piping for HP-22, HP-25, HP-36, HP-32, HP-34, and HP-36 prior to heat pump inlets. Valve sizing to be confirmed with site conditions prior to valve purchases.
 - 1.1. HP-22 approximately pipe diameter: : 64 mm
 - 1.2. HP-25 and HP-26 approximate pipe diameter: 25mm
 - 1.3. HP-33 and HP-32 approximate pipe diameter: : 38mm
 - 1.4. HP-34 approximate pipe diameter: 38mm
 - 1.5. HP-36 approximate pipe diameter: 32mm
 - *If pipe size varies from approximate sizes listed above, HRCE to be notified of any changes prior to purchasing any equipment.
- 2. Incorporate new valves into BAS and implement the new control sequence to close the valves when the respective heat pump is not required to be provide heating or cooling.
 - 2.1. On a call for heating or cooling based on space temperature setpoint, heat pump valve to open.

 Once heat pump valve is open, heat pump is enabled to providing heating or cooling to the space.
 - 2.2. Once the valve is open, valve to remaining open for a minimum of [5 mins] and until space temperature is maintained.
 - 2.3. When space temperature is satisfied and valve has been open for minimum open time, heat pump is to be disabled and valve close.
- 3. After installation of new valves, clean all heat pump strainers.
- 4. Functionally test and document new sequence with NRCE to confirm proper operation.
 - *Note that all setpoints outlined by: [] are to be user adjustable.

Section H – Cooling Tower Fan VFD Replacement – Adjust resets for heat pump loop and replace failed cooling tower fan VFD. Adjust the cooling cut in temperature setpoint from 23 (included deadband) to 27 deg C (including deadband). Replace cooling tower fan VFD and incorporate control for cooling tower fan and cooling tower spray pumps.

1. Provide new fan VFD, including breakout cost for mechanical bypass: Cooling Tower Fans: 15 kW, 575 Volts.

- *Include associated costs for all material and installation required for these VFDs.
- **Standard of Acceptance: Danfoss VLT or Eaton (JCI) VFDIII.
- ***Vendor to verify compatibility of motors with the VFDs they are supplying.
- ****Grounding rings to be supplied and installed as part of the retrofit
- 2. Existing cooling tower fan control to remain.
- 3. Update heat pump loop resets to the following:
 - 3.1. Heating cut in temperatures to be set to [21 Deg C]
 - 3.2. Cooling cut in temperature to be set to [25 Deg C]
 - 3.3. Existing deadband values to remain.
- 4. Functionally test new sequence for the heat pump loop reset as well as new cooling tower VFD with HRCE to confirm proper operation.
 - *Note that all setpoints outlined by: [] are to be user adjustable.

Section I: HUMIDIFIERS SHUT DOWN – Disable Humidifiers to reduce energy consumption as directed by HRCE.

- 1. Disable the following Humidifiers in the BAS:
 - AHU-2
 - AHU-3
 - AHU-4
 - AHU-5
 - AHU-6
 - AHU-7
 - 8-UHA
- 2. Verify humidifiers are disabled with HRCE to confirm work is complete.

3. Extended Warranty

3.1. Provide manufacturers extended warranty and for parts and labor for period of one (1) year.

4. General Project Notes / Clarifications

- i. Work to be completed when school is unoccupied.
- ii. Fire watch plan must be submitted and approved by HRCE during the project.
- iii. The construction schedule is to be submitted and agreed upon between the contractor and HRCE.
- iv. All waste materials must be removed from the site each day or be contained within a dumpster.
- v. All materials/tools/equipment left on site are the responsibility of the contractor.
- vi. Safety plan must be submitted and approved by HRCE during the project.

SECTION 00 41 13 - TENDER BID FORM

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To: Halifax Regional Centre for Education

33 Spectacle Lake Drive, Dartmouth NS

Attn: Don Walpola, Buyer

For: Tender #4252

Recommissioning of Controls and HVAC repairs - Charles P Allen High

Organization Name:	
Street Address:	
Email Address:	
Telephone:	
Authorized Signing Authority:	
Position Title:	

2. Bidder Declares:

- **2.1.** That this tender was made without collusion or fraud.
- **2.2.** That the proposed work was carefully examined.
- **2.3.** That the Tenderer was familiar with local conditions.
- 2.4. That Contract Documents and Addenda were carefully examined
- **2.5.** That all the above were taken into consideration in preparation of this Tender.

3. Bidder Agrees:

- **3.1.** To provide all necessary equipment, tools, labour, incidentals and other means of construction to do all the Work and furnish all the materials of the specified requirements which are necessary to complete the Work in accordance with the Contract and agrees to accept, therefore, as payment in full the Lump Sum Price stated in Subsection 6 hereunder.
- **3.2.** Carefully examined the site of the work described herein; become familiar with local conditions and the character and the extent of the work; carefully examined every part of the proposed Contract and thoroughly understands its stipulations, requirements and provisions.
- **3.3.** Determined the quality and quantity of materials required; investigated the location and determined the source of supply of the materials required; investigated labour conditions; and has arranged for the continuous prosecution of the work herein described
- **3.4.** To be bound by the award of the contract and if awarded the contract on this bid to execute the required contract within ten (10) days after notice of award.
- 3.5. Noted that the Harmonized Sales Tax is excluded from the "Contract Price".
- 3.6. School/Work site access control: Contractor's employees shall always report to the main office of a school, indicate who they are and state their purpose on site prior to starting any work in the school. Contractor is not permitted to work on the school site without HRCE's assigned representative on site unless authorized by the HRCE Operations representative. All work is to be completed during hours when schools are unoccupied. Working in occupied schools will be determined by the Operations representative. No work shall be conducted on weekends or holidays without specific approval of the Operations Representative
- 3.7. Hours of work All work shall be carried out when schools are unoccupied unless otherwise indicated below or in writing by the Manager of Operations or designate. No work shall be conducted on weekends, statutory holidays without specific written approval from Operations Manager or designate. Hours of work shall comply with local ordinances and bylaws for each site

4. Owner Agrees

- **4.1.** To examine this bid and in consideration, therefore, the bidder agrees not to revoke this bid:
 - **4.1.1.** until some other bidder has entered into the contract with the HRCE for the performance of the work and the supply of the materials specified in the notice inviting bids; or in the Information to Bidders, or
 - **4.1.2.** until ninety (90) days after the time fixed in the Information to Bidders for receiving bids has expired,
 - **4.1.3.** Whichever first occurs; provided, however, that the bidder may revoke this bid at any time before the time fixed in the Information to Bidders for receiving bids has expired upon receipt by the HRCE from the bidder of written notice of such revocation before said time has expired.

5. Contract Documents include:

- **5.1.1.** Specifications Index & List of Contents Section 00 00 01
- **5.1.2.** Description of Work Section 00 00 15
- **5.1.3.** Information to Bidders Section 00 21 13
- **5.1.4.** Tender Form Section 00 41 13
- 5.1.5. Tender Price Amendment Form (if applicable) Section 00 41 73
- **5.1.6.** Appendix A HRCE General Terms & Conditions
- **5.1.7.** Specifications of Work (all applicable sections)
- **5.1.8.** Drawing(s) as applicable
- **5.1.9.** Addendum/Addenda issued by HRCE as applicable
- **5.1.10.** HRCE Purchase Order

6. Fee Submission - Contract Price:

6.1. The undersigned Tenderer, having carefully read and examined the aforementioned Contract Documents prepared by the HRCE hereby accepts the same as part and parcel of the Contract herein referred to, and having carefully examined the locality and Site of Works and having full knowledge of the work required and of the materials to be furnished and used, does hereby Tender and offer to enter into a contract to perform and complete, the whole of the said works and provide all necessary labour, plant, tools, materials and equipment and pay all applicable taxes, as set forth and in strict accordance with the Specifications, Drawings and other Contract Documents and to do all therein called for on the terms and conditions and under the provisions therein set forth for the following:

6.2 CONTRACT PRICE: LUMP SUM		
	/100	Dollars (\$
(Do not include HST in this amount)		

Contract Price to be completed in written form on the lines provided above, with cents expressed as numerical fraction of a dollar. Contract price to be completed in numerical form on the line bounded by parenthesis above, with cents expressed as a decimal of a dollar.

Price Submissions will be Evaluated based on the Proponent's Lump Sum Price.

WHERE THERE IS A CONFLICT, WRITTEN WORD WILL GOVERN.

Award will be subject to Budget Availability.

The HRCE reserves the Right to:

Award to one or more contractors who bid.

Accept bids on any or all sections of this work.

Reduce the Scope of Work if the Bid amount Exceeds the Available Budget.

Notes:

- Bid submission to reflect fixed firm pricing.
- All information requested in the Tender Bid form will form part of the evaluation.
- Controls Recommissioning & HVAC Repairs Charles P. Allen High School, FOB destination,
 pricing to include all shipping, freight, and handling charges.
- Bidders are required to provide all applicable equipment technical specification and data sheets with their bid submission.

6.2 INDIVIDUAL PRICE: EACH SECTION

The lump sum price provided in Section 6.2 represents the total price to complete this Controls Recommissioning & HVAC Repairs project in its entirety. HRCE acknowledges that there are inherent costs savings and economies of scale achieved when awarding all sections to a single bidder.

In the event that partial award is required, please provide pricing per each individual section as listed below. Each price is to include all management costs (administration, mobilization, etc.) as required to perform the entirety of the work for that specific section. HRCE acknowledges that management costs are higher on a per section basis, compared to management costs associated with all sections priced as one lump sum.

The expectation is that the pricing provided below represents the entire price to complete that specific section, should it be the only section awarded. The pricing provided here will not be used in the calculation of the RFP scoring; see Section 6.2 Lump Sum Price.

SECTION A

	 00	Dollars (\$	
(HST Excluded)			

SECTION B		
(HST Excluded)	/100	Dollars (\$
SECTION C		
(UCT Evaluated)	/100	Dollars (\$
(HST Excluded) SECTION D		
	4400	D. II (A
(HST Excluded)	/100	Dollars (\$
SECTION E		
(HST Excluded)	/100	Dollars (\$

SECTION F		
(HST Excluded)	/100	Dollars (\$)
SECTION G		
(HST Excluded)	/100	Dollars (\$)
SECTION H		
(HST Excluded)	/100	Dollars (\$)
SECTION I		
(HST Excluded)	/100	Dollars (\$)

7. SupportingInformation

7.1. References: (Minimum of three)

The Bidder to furnish particulars of at least three contracts successfully completed or currently being carried to completion. The projects quoted should preferably be approximate in nature to the work now tendered for and be of comparable or greater size.

Contact Name	Phone Number	Date	Contract Value

8. Proof of Competency of Bidder

- **8.1.** Any bidder may be required to furnish evidence satisfactory to the Owner that their proposed sub-contractors have sufficient means and experience in the types of work called for to assure completion of the Contract in a satisfactory manner.
 - **8.1.1. Sub-Contractors:** The Bidder to provide the name and address of each major sub-contractor used in making up this tender. Only one sub-contractor shall be named for each part of the work to be sublet.

Subcontractor/Suppliers/Manufacturers	Service/Material

8.1.2	. Project Personnel: The tenderer to include below, the names, qualifications and previous
	experience of those people who will be directly involved with the project. The names shall,
	for example, include foremen, superintendent, project engineer and/or project manager,
	labourers and trade staff.

Name	Position	Qualifications/Experience

8.2. Completion Time:

Bidder agrees to complete the Work by December 31st, 2024.

8.3. Warranty

 Bidder to provide Manufacturers Warranty and for Contractor Parts and Labour for a period of one (1) year.

9. Addenda

9.1 AddendaAcknowledgment

I/We have received and noted the following addenda for:

RFT #4252 - Recommissioning Controls & HVAC Repairs - Charles P. Allen High School

Addendum#	Dated	# of Pages			
	·				

Signature * The undersigned Bidder declares that this bid is made without connection with any other person(s) submitting bids for the same work and is in all respects fair and without collusion or fraud.

RFT #4252 - Recommissioning Controls & HVAC Repairs - Charles P. Allen High School

NED AND DELIVERED in the presence of:	CONTRACTOR
	Company name
Witness	Signature of Signing Officer
	Name and Title (printed)

*Note: Bids submitted must be signed by a duly authorized officer or agent.

Child Abuse Registry & Criminal Records Check Certification:

HRCE is directly responsible for the safety of its students and staff. Should contractors be required to work in or on school property while children are present, it is a **MANDATORY REQUIREMENT** that contractors assign the work to employees and/or sub-contractors who DO NOT have a CRIMINAL RECORD and who ARE NOT LISTED ON THE CHILD ABUSE REGISTRY. Failure to comply with this requirement may result in immediate contract termination.

By checking the "Agreed" box you are confirming that you understand and will abide by this mandatory HRCE requirement.

Agreed

End of Section 00 41 13

HALIFAX REGIONAL CENTRE FOR EDUCATION

Increase Bid by

SECTION 00 41 73 TENDER PRICE AMENDMENT FORM

Page 30 of 44

Decrease Bid By

SECTION 00 41 73 - TENDER PRICE AMENDMENT FORM

Note: to be completed and forwarded for each Bid Price adjustment prior to bid closing time and date as detailed on the Cover Sheet of the tender document and related Addendum.

Lump Sum Price Adjustment – Section 00 41 13 Tender form, Article 6 Contract Price

Amount (excluding HST)	\$			Amount (excluding	g HST)	\$			
	It is the Bi	dder's responsi	bility to en	sure the t	able abo	ve is leg	gible		
Attachmentsir	ncluded:	□ no		yes	(✓ on	e)			
If yes above, ch	neck √ and cor	mplete informat	ion regardi	ng attach	ments				
☐ Revised Bid Fo	rm : Dated_			# of p	ages		•		
\square Other, Specify									
	Dated			# of	pages -		_		
Total number o	of pages (inclu	ding this form)							
Submitted by:									
Company Nam	e (please print	t as it appears or	n original to	ender env	elope)			_	
Authorized Bid	lder's name (p	lease print as it	appears or	Bid Form	1)			_	
Authorized Bid	lder's Signatur	e						-	

End of Section 00 41 73

Appendix A - GENERAL TERMS & CONDITIONS

1. General

- a) These Terms and Conditions, shall apply only to those documents (Quotations, Request for Proposals and Tenders, herein referred to as Public RFX or RFX) that reference them specifically. In the event of any conflict or disagreement between these Terms and Conditions and the RFX documents, the RFX documents have precedence and will be assumed to be correct.
- b) These Terms and Conditions are intended to cover a wide range of procurements, including goods and services. As such, not all clauses will be applicable in all situations. If Suppliers have questions regarding any of these Terms and Conditions, they should contact the HRCE Procurement Division. To satisfy special requirements, supplementary Terms and Conditions may also apply to some acquisitions. If this is the case, the RFX documents will reference any such documents, in addition to these Terms and Conditions.
- c) For the purpose of these Terms and Conditions HRCE intends to only contract with responsible Suppliers who are in the business of providing the goods and/or services submitted upon and can provide proof that they can furnish satisfactory performance based on past work experience with HRCE, other companies, or government agencies and have the financial managerial, and resource capabilities for the size of project bid upon. Satisfactory performance includes meeting all of the requirements of the various federal and provincial regulations and agencies for the completion of work and making payment to sub-contractors in a timely basis.
- d) All of the terms, conditions and/or specifications stated or referenced in the Solicitation are assumed to be accepted by the Bidder and incorporated in the Bid.

2. RFX Documents

- a) RFX Documents should be obtained as indicated on the Cover Sheet of the tender document.
- b) While HRCE has tried to ensure accuracy in the RFX documents, it is not guaranteed or warranted by HRCE to be accurate, nor is it necessarily comprehensive or exhaustive.
- c) HRCE cannot ensure the accuracy of RFX documents obtained from any other source. (i.e. Construction Association of Nova Scotia (CANS), Nova Scotia Electronic Tendering Bulletin Board, Project Consultants, etc.).
- d) All inquiries to this RFX are to be directed, in writing, to HRCE Procurement Division representative indicated in the RFX documents. Information obtained from any other source is not official and will not bind HRCE.
- e) HRCE will assume that all Suppliers have resolved any questions they might have about the RFX and have informed themselves as to existing conditions and limitations, site restrictions, etc. before providing a RFX submission.
- f) Nothing in the RFX is intended to relieve Suppliers from forming their own opinions and conclusions with respect to the matters addressed in the RFX or its associated documents.
- g) In the event that HRCE Regional Office (33 Spectacle Lake Drive, Dartmouth) is closed (this includes partial day closures) due to inclement weather on the date and time of the RFX closing, the closing date and time will be extended one (1) business day. Bidders should note that closure of Schools does not necessarily mean the closure of the HRCE's Regional Office. Closures are detailed on HRCE website.

- **3. Verbal instructions:** Any changes to RFX call, specifications, terms and conditions shall be stated in writing. Verbal statements made by employees or representatives of HRCE, whether or not they appear to have the proper authority, shall not be binding on HRCE.
- **4. Addenda:** HRCE reserves the right to modify the terms of the RFX documents prior to closing, at its sole discretion by addenda.
 - a) HRCE Procurement Division will make every effort to ensure the information provided on HRCE.ca is complete and accurate, please report any omissions or discrepancies to the Procurement Division immediately. Any questions or requests for clarification arising from omissions, discrepancies, or ambiguities, must be made in writing no later than five(5) working days prior to the closing date, not including the closing date. Replies to requests for clarification, if required, will be made in the form of written addenda, copies of which will be posted on www.HRCE.ca/tender no later than three (3) working days prior to the date of closing, not including the closing date.
 - b) By downloading files from the www.HRCE.ca, you will automatically become registered for the applicable RFX. HRCE Procurement Division will make reasonable efforts, strictly as a courtesy, to directly inform registered Suppliers of any addenda, however it is the sole responsibility of each registered Supplier to ensure that they have all the documents associated with any RFX and, to this end, every registered Supplier should review HRCE Tender Web Site daily. These documents must be downloaded from the www.HRCE.ca/tender or obtained from HRCE Procurement Division, as applicable. Suppliers must acknowledge receipt of all addenda(s) with their RFX Submission.
- **5. Suppliers Responsibility:** Suppliers are solely responsible for their own expenses in preparing, delivering or presenting a RFX and for subsequent negotiations, if any, with HRCE. It will be the responsibility of the Supplier to acquire at the Suppliers cost, any RFX documents as indicated on the Cover Sheet of the tender document.
- **6. Existing Conditions:** Suppliers will be deemed to have familiarized themselves with the existing conditions which may affect the performance of required goods, services and construction. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time. Suppliers are to ensure that they understand the expected use for the requested goods, service and construction and submit their RFX submission accordingly.

7. RFX Submissions

- a) RFX will close at the time, date and location specified in the RFX documents (Atlantic Time Zone).
- b) All RFX submissions must be received in their entirety on or before the closing time specified. Suppliers are responsible for ensuring that their RFX submission, however submitted, is received on time and at the location specified.
- c) RFX Submissions must be submitted on the forms provided or in such format as directed in the RFX documents. These forms must be legible, complete, filled out in ink, or by typewriter, with

- the signature in longhand and the completed form shall be without interlineations, alterations or erasures.
- d) If an electronic transmission (i.e. e-mail) can be accepted, as detailed in the applicable RFX documents, it is the responsibility of the Supplier:
 - i. to ensure that the submissions are delivered on or before the closing time and date shown on the RFX documents;
 - ii. that the correspondence is legible and properly transmitted; and
 - iii. that the name and number of the RFX is clearly displayed.
- e) **Sealed RFX submissions** must be transmitted electronically as stated in the tender document
- f) Amendments/Withdrawn Submissions
 - Submissions may be withdrawn or amended by written request (on company letterhead or equivalent), prior to RFX closing date and time, but cannot be altered or changed in any way after the RFX closing.
 - ii. Facsimile transmissions modifying supplier provided information are acceptable when signed by a duly authorized officer or agent. Submission of such electronic transmissions is at the risk of the Supplier. HRCE assumes no liability for the receipt of the electronic transmissions or their proper inclusion with original RFX submission. An electronic submission must be submitted prior to closing time and date specified in the RFX documents.
 - iii. An amendment to a RFX submission replaces any other RFX submission amendment previously submitted by the supplier; only the last of any RFX submission amendment received will be accepted.
- g) All RFX submissions must be signed by an authorized representative of the entity.
- h) The email receipt time for submissions will be assumed to be correct in the event of dispute.
- i) HRCE reserves the right in its sole discretion to clarify any RFX submission after closing by seeking further information from that Supplier, without becoming obligated to clarify or seek further information from any or all other Supplier. However, Suppliers are cautioned that any clarifications sought will not be an opportunity either to correct errors or change their Bids in any substantive manner.
- **8. Brand Name:** Some terminology may be used that would imply or denote a particular supplier. Brand names may be utilized to designate the type and quality of the product requested. Such usage shall not to be construed as restrictive in any way. Suppliers must be prepared to provide samples if required.

9. Substitute

- a) If the Supplier is offering an equivalent (similar) substitute product to those specified, unless a specific product is requested, the supplier must clearly identify this substitution and supply the manufacturer's name, product number and provide any technical information required so that HRCE can determine the acceptability of the substitute.
- b) HRCE reserves the right to inspect or test any product bid to determine equivalency, and may require demonstrator or sample items in order to be able to evaluate the items proposed.
- c) HRCE shall be the sole judge of the acceptability of any substitute or proposed equivalent.
- d) Specifications may, for technical or logistical reasons, require that the items specified be supplied without substitution.

10. Warranty

- a) The supplier must describe the duration, type (e.g. on-site, depot, ship-in or carry-in) and terms of the manufacturer's warranty on all goods. If the supplier provides any additional/supplementary warranty coverage, describe this as well.
- b) If warranties can be upgraded or extended, identify the upgrade costs separately. Do not include warranty upgrade or extension costs in the price unless the RFX documents specifically states that the upgrade is a mandatory requirement.

11. Pricing

- a) All prices must be extended and totaled, where practical to do so. RFX Submission may be rejected as incomplete if total figures are not provided. In the case of an error in the extension of prices, the unit prices shall prevail.
- b) Prices must be in Canadian funds, and shall include all shipping, handling, freight, offloading, duty, insurance and any other charges, which are applicable at time RFX is awarded (FOB Destination). HRCE will not assume responsibility for any goods or services until they have been delivered to the destination(s) specified in the Solicitation. It is the responsibility of the Supplier to find out from the appropriate authorities what rates and charges are applicable to this RFX. No extra charges will be paid by HRCE.
- c) In the event that a number of Suppliers provide submission in substantially the same amount, HRCE may, at its discretion, call upon those Suppliers to submit further bids.
- 12. Permits and Taxes: It is the responsibility of the Supplier to ensure that quotations include all taxes, permits, and other charges required to supply the goods, services and construction. The successful Supplier is to comply with all codes, regulations, and bylaws and all government and applicable standards pertaining to the work and job-site including, and not limited to, the Nova Scotia Occupational Health and Safety Act and Regulations. HRCE is required to pay a Harmonized Sales Tax (HST) at a rate specified by

the Province of Nova Scotia. This tax is to be shown as a separate line item.

13. Standards

- a) All goods, services and construction supplied to HRCE shall, when standards are available, be certified in accordance with the applicable code(s), but not limited to:
 - i. Canadian Standards Association;
 - ii. Canadian Government Standards HRCE;
 - iii. Underwriters Laboratories of Canada; and
 - iv. And all applicable Federal, Provincial and Municipal regulations and acts.
- b) HRCE reserves the right to discontinue the purchase of any product/service that does not continue to meet the applicable standard(s).
- **14. Inspection:** HRCE reserves the right to inspect any goods, services or construction supplied either during or after manufacture and delivery, and shall be the sole judge as to the acceptability of goods, services and construction to meet the needs of HRCE and fulfills the requirements as specified.

15. Rejection of RFX Submissions/Compliance:

- Failure to comply with any of the mandatory terms or conditions contained or referenced in the RFX documents shall result in the rejection of the RFX submission.
- b) HRCE specifically reserves the right to accept or reject any or all RFX submission and implies no obligation on HRCE to accept any RFX submission, a portion of any RFX submission or any RFX submission. HRCE reserves the right to cancel any RFX in its entirety and shall not be responsible, in any manner, for expenses incurred by the Supplier for preparing a RFX submission. HRCE may award all or a portion of the work to one or more Suppliers. Without limiting the generality or any other provision hereof, HRCE reserves the right to reject or accept any RFX submission:
 - i. that contains any irregularity or informality;
 - ii. that is not accompanied by the security documents required;
 - iii. that contains an alteration in the quoted price that is not initialed by the or on behalf of the Supplier;
 - iv. that is incomplete or ambiguous;
 - v. contains clauses additional to the RFX that are "qualified" or "conditional"; and/or
 - vi. that does not strictly comply with the requirements contained in these instructions.
- c) HRCE reserves the right to waive minor non-compliance where such non-compliance is not of a material nature in its sole and absolute discretion, or to accept or reject in whole or in part any or all RFX submissions, with or without giving notice. Such minor non-compliance will be deemed substantial compliance and capable of acceptance. HRCE will be the sole judge of whether a RFX submission is accepted or rejected.

- d) HRCE reserves the right to accept or reject any or all RFX submission, not necessarily accept the lowest priced RFX submission, or to accept any RFX submission which it may consider to be in its best interest.
- **16. Evaluation criteria:** If applicable, award of the RFX will be based on "Best Value" (which includes, but not limited to; price, discounts, product specifications, warranty, delivery, reference checks, etc.

17. Cancellation / Non Award

- Issuing a RFX implies no obligation on HRCE to accept any submission, or a portion of any submission. The lowest or any RFX submission will not necessarily be accepted.
- b) RFX's may be cancelled in whole or in part by HRCE in its sole discretion when:
 - i. the RFX submission price exceeds the funds allocated for the purchase;
 - ii. there has been a substantial change in the requirements after the RFX has been issued;
 - iii. information has been received by the RFX after the RFX has been issued that the RFX believes has substantially altered the procurement;
 - iv. there was insufficient competition in order to provide the level of service, quality of goods or pricing required.
- c) If no compliant RFX submission is received in response to a RFX, the RFX reserves the right to enter into negotiations with one or more suppliers in order to complete the procurement.
- d) HRCE will be the sole judge of whether there is sufficient justification to cancel any
- e) No action or liability will lie or reside against HRCE in its exercise of its rights under this section.

18. Eligibility and Conflict of Interest

- a) A RFX Submission may not be eligible for acceptance if current or past corporate or other interests of the Bidder may, in HRCE's opinion, give rise to a conflict of interest in connection with a project.
- b) Suppliers are cautioned that acceptance of their RFX submission may preclude them from submitting a response on subsequent phases where a conflict of interest may arise. Suppliers should study the project implementation strategy to determine whether or not they plan to submit response on subsequent phases.
- c) If the RFX submission covers the first phase of what may prove to be a multiphased project, the successful Supplier on the initial phase may be permitted to respond on subsequent phases as long as, in HRCE's opinion, no conflict of interest would be created in performance of the work by that Supplier.
- d) Sub-contracting to any firm or individual whose current or past corporate or other interests may, in HRCE's opinion, give rise to a conflict of interest in connection with this bid will not be permitted. This includes, but is not limited to, any firm or individual involved in the preparation of the RFX documents.

- **19. Disputes:** In case of dispute as to whether or not an item or service quoted or delivered meets RFX requirements, the decision of HRCE, or its authorized representative, shall be final and binding on all parties.
- **20. Exceptions:** A RFX submission shall be considered an agreement to all terms and conditions provided herein and in various RFX documents, unless specifically noted otherwise in the RFX documents.
- **21. Irrevocable Offer:** A RFX submission represents an irrevocable offer, unless otherwise stated in the RFX documents and shall be valid for a period of ninety (90) days following the closing date for RFX submissions.
- 22. Patent right and royalties: The successful Supplier shall pay all royalties and patent license fees required for the performance of the work. The successful Supplier shall hold HRCE harmless from and against claims, demands, losses, costs, damages, action suits or proceedings arising out of the successful Supplier's performance of the Contract which are attributable to an infringement or an alleged infringement of a patent of invention by the successful Supplier or anyone for whose acts the successful Supplier may be liable.
- **23. Assignment:** The successful Supplier shall not assign the Contract (or portion thereof) nor sub-contract without the prior written consent of HRCE, consent shall not be unreasonably withheld.
- 24. Purchase Order: Work by the Supplier will begin only with the issuance of HRCE's official purchase order and/or any Contract Documents as applicable. The purchase order number must appear on any/all invoices covering same. No work is authorized until the successful Supplier has received an official HRCE purchase order and/or required Contract Documents. HRCE accepts no responsibility for any work performed prior to the issuance of a purchase order and/or required Contract Documents.

25. Delivery

- a) Where the RFX Document includes a mandatory delivery schedule, HRCE will assume that the Supplier can meet the requested schedule and is satisfied that the goods or services required will be available for delivery on the requested date(s).
- b) If Suppliers wish to specify a delivery schedule different from that requested in the RFX document, they must provide specific delivery dates or a schedule in calendar days from the date a Purchase Order is issued. RFX Submission that do not meet the delivery schedule as requested in the RFX documents may be rejected.
- c) Time is of the essence, and supplier's delivery schedule is legally binding. HRCE reserves the right to assess penalties or cancel awards to Suppliers who fail to

meet their stated delivery or completion dates.

26. Invoices

- a) All invoices are to be submitted quoting the Purchase Order number. The suppliers' HST number must be included on each invoice. Invoices must also include a description of the goods & services provided with HRCE Work Order Numbers (where applicable). Invoices must also clearly indicate list price, discounts offered and net price, if applicable. All invoices are to be sent to Accounts Payable by email at accountspayable@hrce.ca, as well please sent a copy to the operations contact as identified on the cover page of this tender.
- b) All Suppliers are required to maintain their tax status in good standing. In this regard, Suppliers are advised that verification of good standing with the Nova Scotia Minister of Finance and Revenue Canada (GST/HST) may be carried out prior to the award of a contract to a successful Supplier.
- c) In order to maximize efficiencies, as well as to be more environmentally friendly, vendor payments are now being paid via EFT (Electronic Funds Transfer), being a direct deposit to vendor bank accounts. A vendor direct deposit form must be filled out with banking information for EFT payments.

27. Payment:

- a) HRCE's payment terms are thirty (30) days from acceptance that the goods, services and construction meet the specifications. Alternative payment schedules may be proposed and are to be shown as an option and list any additional discounts to HRCE. Early payment discount terms (minimum period ten (10) days) may be considered in the evaluation of the RFX response. Payment of term discount invoices will be calculated from the date of the invoice or goods have been received, whichever is later. Discount terms must appear on the invoice.
- b) The Supplier shall make application for payment at least monthly with the application based on progress or services provided during that month. HRCE will hold back ten percent (10%) of any payment until the lien periods have expired and the Supplier has provided HRCE with a complete release of any lien registered as a result of any work carried out by the Supplier, or any sub- contractor or supplier to the Supplier.
- **28. Right to offset:** The successful Supplier agrees that HRCE may apply payments for goods, services and construction to any amount owing to HRCE by the Supplier or supplier including any related administration fees.
- **29. Confidentiality:** The Supplier shall keep private, treat as being confidential, and not make public or divulge during, as well as after, the term on this Agreement, any information or material to which the Supplier or staff becomes privy as a result of acting under this Agreement without having first obtained HRCE's consent in writing.

30. Freedom of Information and Protection of Privacy (FOIPOP) Act and Personal Information International Disclosure Protection Act (PIIDPA)

- a) As a public body, HRCE is subject to provincial legislation, Freedom of Information and Protection of Privacy (FOIPOP) Act. RFX submissions and associated documents are subject to disclosure and protection under this legislation. In the event an application for disclosure of information is made under FOIPOP, HRCE is subject to the disclosure and protection of information in accordance with that legislation. Suppliers are encouraged to visit the following websites for more information on the Act: http://www.gov.ns.ca/just/IAP/default.asp.
- Information International Disclosure Protection Act (PIIDPA)(S.N.S 2006, c.3). The act creates obligations for the Province of Nova Scotia and its service providers when personal information is collected, used or disclosed. Requirements include limiting storage, access and disclosure of personal information to Canada, except as necessary or otherwise required by law. Suppliers are recommended to visit the following PIIDPA websites for more information on the Act: http://nslegislature.ca/legc/bills/60th 1st/3rd read/b019.htm and http://www.gov.ns.ca/just/IAP/PIIDPAquest.asp#p01
- c) The Supplier acknowledges and confirms that it is a "service provider" as defined in the Personal Information International Disclosure Protection Act, SNS 2006 c. 3 ("PIIDPA"), that the Supplier has read and understands its obligations as a service provider thereunder and that as a service provider It is legally bound by the obligations imposed on it by PIIDPA. It is a condition precedent to HRCE entering into the Agreement with the Supplier that the Supplier irrevocably undertakes covenants and agrees to be bound by and comply with the obligations imposed on it as a service provider under PIIDPA.
- d) The Supplier further covenants, warranty and represents to HRCE that it will not at any time provide or allow the release of personal information to which it has access in its capacity as a service provider to HRCE in response to any "foreign demand for disclosure" or permit or allow the "unauthorized disclosure of personal information" as each of those terms are defined in PIIDPA.
- e) The Supplier shall implement and strictly enforce security arrangements that will ensure that all personal information that it collects or uses on behalf of HRCE is protected at all times from unauthorized access or disclosure and shall confirm in writhing to HRCE, upon request, the details of such security arrangement. The Supplier also agrees to implement and enforce any additional security procedures as may be required by HRCE from time to time to protect the personal information that the Supplier collects on behalf of HRCE. HRCE shall be authorized, upon giving prior written notice to the Supplier, to enter the premises of the Supplier during normal business hours for the purpose of conducting an audit of the security arrangement referenced herein.
- f) All personal information that the Supplier obtains or becomes aware of while

- providing services to HRCE is not and shall not be or be deemed to be the property of the Supplier. The Supplier acknowledges and agrees that it will not, either directly or indirectly, acquire any rights to use or own any such information other than the right to use it for the sole purpose of fulfilling its obligations to HRCE under the Agreement.
- g) All RFX submissions become the property of HRCE. By providing a RFX submission, the supplier hereby grants HRCE a license to distribute, copy, print or translate the RFX submission for the purposes of the RFX. Any attempt to limit HRCE's right in this area may result in rejection of the RFX submission.
- h) Suppliers RFX submission may be subject to disclosure under the Province's "freedom of information" legislation. By submitting a RFX submission, the Supplier agrees to the appropriate disclosure of the information supplied, subject to the provisions of the governing law. HRCE cannot guarantee the confidentiality of the complete content of any RFX submissions after the procurement has been awarded to the successful supplier.
- During the delivery and installation of goods and/or services, the supplier or supplier's staff may have access to confidential information belonging to HRCE. Should this occur, the supplier must ensure that such information is not released to any third parties or unauthorized individuals; failure to comply may result in legal action being taken and/or the supplier's disqualification from any further RFX's issued by HRCE.
- **31. Indemnification:** The Supplier shall indemnify and hold harmless HRCE, their agents, representatives and employees from and against all claims, demands, losses, costs, damages, actions, suits or proceedings arising out of, or resulting from the performance of this work, provided that any such claim is caused in whole or in part by the negligent act or omission of the Supplier, and sub-contractor, supplier, licensee, anyone directly or indirectly employed by any one of them or anyone for whose act any of them is liable, regardless of whether or not it is cause in part by a party indemnified hereunder.
- **32. Insurance:** Unless otherwise stated, Commercial General Liability Insurance with policy limits of not less than five (5) million dollars (\$5,000,000.00) must be filed with the Procurement Department of HRCE; such insurance shall be in the name of the Supplier and HRCE. The insurance must include non-owned automobile liability with policy limits of not less than two (2) million dollars (\$5,000,000.00). All insurances are to be maintained in good standing for the duration of the Contract.
- **33. Termination for convenience:** HRCE may terminate a contract, in whole or part, whenever HRCE determined that such termination is in the best interest of HRCE, without just cause giving sixty (60) days written notice to the proponent. However, in no event shall the proponent be paid an amount that exceeds the submitted price for the work performed.
- 34. Termination for default: When the proponent has not performed or has unsatisfactorily

performed the contract, HRCE may terminate the contract for default. Upon termination for default, outstanding payment will be withheld at the discretion of HRCE. Failure on the part of the proponent to fulfill the contract obligations shall be considered just cause for termination of the contract. The proponent will be paid for work satisfactorily performed prior to termination, less any excess costs incurred by HRCE in re- procuring and completing the work.

- **35. Workers Compensation:** Prior to commencing the work, the Supplier shall provide a current clearance letter from the Workmen's Compensation HRCE (WCB) and must maintain this coverage during the whole term of the Contract.
- **36. WHMIS:** All controlled products supplies to HRCE must have approved Workplace Hazardous Materials Information System (WHMIS) supplier labels; Material Safety Data Sheets must also be supplied. Failure to comply with this requirement may result in rejection of any shipment, and may result in cancellation of the order and the return of goods to the supplier at the supplier's expense.
- **37. Health and Safety Act:** The Supplier shall take every precaution to ensure that every employee, self-employed person and employer performing work in respect of the project complies with the latest revisions of the Nova Scotia Occupational Health and Safety Act and the Regulations. Halifax Regional School HRCE Occupational Health and Safety Policy BP 303.1, and all other safety measures as required by authorities having jurisdiction.
- **38. Site Safety Plan:** Before being permitted access to the site to commence construction the Supplier may be requested provide HRCE with a written Project Specific Site Safety Plan. The Site Safety Plan provided shall be a written course of action that, through a pre-job evaluation, identifies and sets out specific actions to be taken to eliminate or control hazards associated with the work to be performed and to also deal with concerns or hazards that may develop during the course of the project. This Plan shall include, but not be limited to, identification of safety hazards anticipated during the project, solutions to those hazards, safety procedures, identification of designated safety officers and provision for safe access to the site for HRCE staff and or Consultants. Receipt and acceptance of the safety plan shall be mandatory prior to commencement of work.

39. Extension to the Broader Public Sector

- a) HRCE may choose to allow the Broader Public Sector to purchase goods or services from some RFX's. The Broader Public Sector are generally permitted to purchase from "Standing Offers", which are contracts resulting from a RFX. Other RFXs may also be available to the Broader Public Sector; if so, the Solicitation documents will state this.
- b) By submitting a response to a RFX, the Supplier agrees to extend the same pricing to other eligible Broader Public Sector institutions as per the terms and specifications in the Solicitation

40. Governing Laws and Trade Agreements

- a) Unless the RFX documents specifically state otherwise, the RFX, all submissions, and any subsequent contracts will be construed and interpreted in accordance with the laws of the Province in which the Solicitation was issued.
- b) RFX's subject to the Atlantic Procurement Agreement, the Agreement on Internal Trade, any other inter-provincial trade agreements, or any international trade agreements, will be specifically identified as such in the public notice and/or the Solicitation documents.
- c) Information of any applicable trade or procurement agreements and/or legislation can be obtained by contacting HRCE Procurement Department.
- d) Suppliers agree to comply with all applicable laws, regulations and standards, including all labour, occupational health & safety, and worker compensation requirements of the Province.
- e) HRCE may consider and evaluate any RFX submission from other jurisdictions on the same basis that the purchasing authorities in those jurisdictions would treat a similar RFX submission from a supplier located in this Province. HRCE will be the sole judge of whether these conditions will be used and the extent to which they will be applied.
- f) Suppliers registered to do business in any Atlantic Province can bid on RFX issued by any other Atlantic Province without having to satisfy any local registration or residency requirements.
- g) Under Canadian law (and international agreements), your RFX submission must be arrived at separately and independently, without conspiracy, collusion or fraud; refer https://www.competitionbureau.gc.ca/eic/site/cb-bc.nsf/eng/home

41. Other General Conditions

- a) No RFX submissions shall be accepted from any person or corporation who, or which, has a claim or has instituted a legal proceeding against HRCE or against whom HRCE has a claim or has instituted a legal proceeding with respect to a previous contract, without prior approval of HRCE.
- b) The Supplier shall perform the obligations of this Contract in a good and workmanlike manner in compliance with all applicable legislation in effect in Nova Scotia, and in accordance with industry standards and practice.
- c) The Supplier shall be solely responsible for all means, methods, techniques and procedures necessary for performing the work required under this Contract.
 - d) All Suppliers must comply with the Nova Scotia Corporations Registration Act (CRA) or the Partnerships and Business Names Registration Act (PBNRA) as one of the conditions of doing business with the Province of Nova Scotia. In this regard, Suppliers are advised that verification of registration and good standing may be carried out prior to the final award of a contract to a successful Supplier. Suppliers residing outside Nova Scotia (which are not otherwise carrying on business in Nova Scotia) are expected to be registered in an equivalent manner in their respective

jurisdictions.

- e) Unless otherwise specified, all materials installed by the Supplier as part of this Contract shall be new and shall comply with the specifications and any applicable building codes. The Supplier is, at all times, responsible for correcting any defective work or materials at the Supplier's cost, and payment by HRCE to the Supplier does not relieve the Supplier of that responsibility.
- f) Where applicable, the end user must be provided with complete operation manuals, warranty registration forms, user licenses/ authentications and/or other associated documentation normally provided by the manufacturer, reseller, installer and/or consultant.
- g) The Supplier shall, at all times, keep HRCE premises free from accumulations of waste and rubbish. Disposal of all waste and rubbish shall be at approved waste disposal sites.
- h) If the Supplier files for bankruptcy, becomes insolvent or fails to perform the Supplier's obligations under this Contract in a timely and workmanlike manner, HRCE may, by written notice, immediately terminate the employment of the Supplier and the Supplier shall be entitled only to the value of work performed and materials supplied up to the date of the termination.
- i) The Supplier shall not permit smoking by any of its employees or sub-contractors on HRCE property and will act in accordance to the RCE policy BP101.3 Tobacco - Free Schools and Workplaces.
- j) The Supplier warrants its work and materials for a minimum of twelve (12) months after the date of substantial completion.
- k) The Supplier, if performing work on HRCE property may be required to provide a safety program certified with the Nova Scotia Construction Safety Association or with an approved alternate safety association and/or program.
- l) HRCE reserves the right to split an award amongst Suppliers as deemed in the best interests of the HRCE.

END OF SECTION 00 72 13

APPENDIX B - BIDDERS CHECK LIST

- Completed Tender Form
- Tender Price Amendment (if any)
- Signed Addenda (if any)
- Child Abuse Registry & Criminal Record Check Acknowledgement
- Insurance Certificate as per tender requirements
- Completed Safety Plan