



National Defence

Défense nationale

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

Bid Receiving – PWGSC / Réception des
soumissions - TPSGC
11 Laurier St. / 11 rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5

Facsimile : 819-997-9776

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods and services listed herein and on any attached sheets at the price(s) set out therefor.

Proposition à : Défense nationale Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Title/Titre: Cooler,Fluid,Industrial / Refroidisseur,fluide,industriel	Solicitation No – N° de l’invitation W8482-183049/A
Date of Solicitation – Date de l’invitation 2017/11/23	
Address Enquiries to – Adresser toutes questions à Xiao Jun Zhou D Mar P 4-3-4-2 Xiaojun.Zhou@forces.gc.ca	
Telephone No. – N° de téléphone	FAX No – N° de fax
Destination Specified Herein / Précisé dans le présentes	

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Solicitation Closes – L’invitation prend fin

At – à : 1400 hours / heures EST

On - le : 08 January / janvier 2017

Delivery required - Livraison exigée	Delivery offered - Livraison proposée
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

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N° de l'invitation - Solicitation No.

W8482-183049/A

N° de réf. du client - Client Ref. No.

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

25E

N° CCC / CCC No./ N° VME - FMS

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed in Annex "A", Line Item Details.

1.2 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.3 Trade Agreements

"The requirement is subject to the provisions of the Agreement on Canadian Free Trade Agreement (CFTA), and the North American Free Trade Agreement (NAFTA)."

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2017-04-27) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20, Further Information is deleted in its entirety.

2.1.1 SACC Manual Clauses

B1000T (2014-06-26), Condition of Material - Bid

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 7 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (1 hard copy)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid



If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “D” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “D” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

Exchange Rate Fluctuation Risk Mitigation.

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form PWGSC-TPSGC 450 , Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form PWGSC-TPSGC 450 , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Bidders must indicate the Part Number and the NSCM/NCAGE they are offering.

4.1.1.2 Mandatory Technical Evaluation Criteria – Equivalent and Substitute Products

Bidders proposing an Equivalent or a Substitute Product must indicate the brand name and model and/or Part Number and the NSCN/NCAGE they are offering.

4.1.1.2.1 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a. designates the brand name, model and/or part number of the substitute product;
 - b. states that the substitute product is fully interchangeable with the item specified;
 - c. provides complete specifications and descriptive literature for each substitute product;
 - d. provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - e. clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria..
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a. the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b. the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.

4.1.1.3 Substitute Products – Replaced Part Numbers from the OEM

1. Products that are replaced part numbers (superseded or obsolete) from the Original Equipment Manufacturer (OEM) must be equivalent in form, fit, function, quality and performance to the original items(s) specified in the bid solicitation and will be considered where the bidder provides:

- a) Proof by submitting a copy of a Certificate of Conformity from the OEM providing justification/explanation that the part numbers are a replacement of the OEM parts specified herein and are equivalent in form, fit, function, quality and performance to the OEM's parts specified herein; or
- b) All required technical information to demonstrate their technical compliance and to confirm form, fit, function, quality and performance of these replaced part numbers.

2. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of the bidder(s), that the substitute product is equivalent to the item specified in the bid solicitation. If the Bidder fails to provide the requested information within five (5) business days, Canada may declare the bid non-responsive.

4.1.2 Financial Evaluation

A0222T (2014-06-26), Evaluation of Price – Canadian/ Foreign Bidders

4.2 Basis of Selection

A0031T (2010-08-16), Basis of Selection - Mandatory Technical Criteria

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, if applicable, the declaration form available on the Forms for the Integrity Regime website

(<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy \(http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Requirement

The requirement is detailed in Annex "A", Line Item Details.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract award to the end of the warranty period as described in Section 09 of 2010A (2016-04-04) General Conditions – Goods (Medium Complexity).

6.4.2 Delivery Date

All the deliverables must be received on or before _____ (*insert the date*).

DND reserves the right to negotiate delivery date changes to before or after March 31, 2018.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Xiao Jun Zhou
Title: D Mar P 4-3-4-2
Organization: Department of National Defence (DND)
DGMEPM
Address: 101 Colonel By Drive, Ottawa, ON K1A 0K2
Telephone:
E-mail address: Xiaojun.zhou@forces.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ _

Facsimile: ____ _

E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work or provision of materiel is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work or materiel requirement under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to either the scope of the Work or materiel requirement. Changes to the scope of the Work or materiel requirement can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

The Contractor's Representative for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ _

Facsimile: ____ _

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment – Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in the contract, for a cost of \$_____ (*insert the amount at contract award*). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

C6000C (2011-05-16) Limitation of Price

6.6.3 SACC Manual Clauses

H1001C (2008-05-12) Multiple Payments

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Invoices must be submitted on the supplier's own invoice form and must be prepared to show:

- a) The date
 - b) Name and address of the consignee(s)
 - c) Item number, quantity, part number, reference number and description
 - d) Contract numbers
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the consignee for certification and payment.

Department of National Defence
Maritime Forces Atlantic
ACCT Payable Bldg. S-90, Room 334
2686 Sextant Lane, Stadacona
P.O. BOX 99000 STN Forces
Halifax, NS B3K 5X5
Canada

AND

Department of National Defence
Base Logistics Officer
CFB Esquimalt
STN Forces, P.O. Box 17000
Victoria, BC V9A 7N2
Canada

- b. One (1) copy must be forwarded to:

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Attention: _____

- c. One (1) copy must be forwarded to the consignee.

6.8 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information

are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2016-04-04) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Line Item Details;
- (d) the Contractor's bid dated _____.

6.11 Defence Contract

A9006C (2012-07-16) Defence Contract

6.12 Condition of Material – Contract

The Contractor must provide material that is new production of current manufacture supplied by the principal manufacturer or its accredited agent. The material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, that was in effect on the bid closing date.

6.13 SACC Manual Clauses

B7500C (2006-06-16) Excess Goods

G1005C (2016-01-28) Insurance

D9002C (2007-11-30) Incomplete Assemblies

D2000C (2007-11-30) Marking

D2001C (2007-11-30) Labelling

D0050C (2007-05-25) End User Certificate

6.14 Quality Assurance

A1009C (2008-05-12) Work Site Access

D5540C (2010-08-16) ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)

D5510C (2017-08-17) Quality Assurance Authority (Department of National Defence): Canadian-based Contractor

D5515C (2010-01-11) Quality Assurance Authority (DND) - Foreign-based and United States Contractor

D5604C (2008-12-12) Release Documents (DND) – Foreign-based Contractor

D5605C (2010-01-11) Release Documents (DND) – US based Contractor

D5606C (2012-07-16) Release Documents (DND) – Canadian-based Contractor

D5620C (2012-07-16) Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attention:

- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca.

6.15 Packaging

6.15.1 Preparation for Delivery - Packaging Requirement using Specification D-LM-008-036/SF-000

The Contractor must prepare item number(s) 001 and 002 for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item number(s) 001 and 002 in quantities of 1 (ONE) EA by package.

6.15.2 D2025C (2013-11-06) Wood Packaging Materials

6.15.3 D6010C (2007-11-30) Palletization

6.16 Shipping

Shipping Instructions - Delivery and Destination Schedules Unknown

1. The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (... named place of destination). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.
2. The Contractor must deliver the goods to Canadian Forces (CF) Supply Depots by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the Depot Traffic Section at the appropriate location shown below. The consignee may refuse shipments when prior arrangements have not been made.

a. 7H1 CF Halifax
Halifax, N.S.
Telephone: 902-427-1441

b. 2B1 CF Esquimalt
Esquimalt, B.C.
Telephone: 250-363-4963

6.17 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:

Adjustment = $FCC \times Qty \times (i_1 - i_0) / i_0$
where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i_0



Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

i_1

exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])

Qty

quantity of units

4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.
6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (i.e. $[i_1 - i_0] / i_0$).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

ANNEX A LINE ITEM DETAILS

Item	Part Numbers	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	Security Requirement	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	Trade Agreement
001	F502EY4PCNTB or F-502-4P-CNT-B or 6327D019-1	<p>NSN: 4420-21-904-5641 Item Name: COOLER,FLUID,INDUSTRIAL</p> <p>P/N requested: F502EY4PCNTB NSCM/MFG: 67049, YOUNG TOUCHSTONE COMPANY</p> <p>P/N requested: F-502-4P-CNT-B NSCM/MFG: 67049, YOUNG TOUCHSTONE COMPANY</p> <p>P/N requested: 6327D019-1 NSCM/MFG: 36334, INDAL TECHNOLOGIES INC</p> <p>OR EQUIVALENT If offering an equivalent specify: P/N offered: NCAGE: Name of Manufacturer:</p>	EA	7	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA	NO	Q	NO	YES
002	F502EY4PCNTB or F-502-4P-CNT-B or 6327D019-1	<p>NSN: 4420-21-904-5641 Item Name: COOLER,FLUID,INDUSTRIAL</p> <p>P/N requested: F502EY4PCNTB NSCM/MFG: 67049, YOUNG TOUCHSTONE COMPANY</p> <p>P/N requested: F-502-4P-CNT-B NSCM/MFG: 67049, YOUNG TOUCHSTONE COMPANY</p> <p>P/N requested: 6327D019-1 NSCM/MFG: 36334, INDAL TECHNOLOGIES INC</p> <p>OR EQUIVALENT If offering an equivalent specify: P/N offered: NCAGE: Name of Manufacturer:</p>	EA	5	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada	NO	Q	NO	YES

ANNEX B BASIS OF PAYMENT

Item	Description	Unit of Issue	Quantity	Destination Address	Invoice Address	FIRM UNIT PRICE: Delivered Duty Paid (DDP), Transportation costs included, Applicable taxes extra	EXTENDED PRICE: Applicable taxes extra	Applicable taxes	TOTAL PRICE: Applicable taxes Included
001	NSN: 4420-21-904-5641 Item Name: COOLER,FLUID,INDUSTRIAL	EA	7	Formation Commander HMC Dockyard Bldg D206 Door 1 thru 13 Halifax, NS B3K 5X5 Canada	Accounts Payable Dept. Of National Defence Maritime Forces Atlantic P.O. Box 99000, Stn Forces Halifax NS B3K 5X5 CANADA				
002	NSN: 4420-21-904-5641 Item Name: COOLER,FLUID,INDUSTRIAL	EA	5	Base Commander CFB Esquimalt Bldg 66 Colwood Victoria, BC V9A 7N2 Canada	Accounts Payable Dept. of National Defence Base Logistics Officer CFB Esquimalt P.O. Box 17000, Stn Forces Victoria, BC V9A 7N2 Canada				
TOTAL									

**ANNEX C TECHNICAL SPECIFICATION/ ANNEXE C SPÉCIFICATIONS
TECHNIQUES**

<p align="center">ITEM / ARTICLE</p>	<p align="center">GENERAL CHARACTERISTICS / CARACTERISTIQUES GENERALES</p>																																		
<p>NSN / NNO : 4420-21-904-5641</p> <p>COOLER,FLUID,INDUSTRIAL/ REFROIDISSEUR,FLUIDE, INDUSTRIEL</p>	<table border="0"> <tr> <td>MATERIAL</td> <td>COPPER NICKEL ALLOY TUBES AND TUBE SHEETS; BRASS BONNET</td> </tr> <tr> <td>DIAMETER</td> <td>5.120 INCHES NOMINAL</td> </tr> <tr> <td>LENGTH</td> <td>23.620 INCHES NOMINAL</td> </tr> <tr> <td>DISTANCE BETWEEN FLANGES</td> <td>6.250 INCHES NOMINAL</td> </tr> <tr> <td>HEIGHT</td> <td>6.500 INCHES NOMINAL</td> </tr> <tr> <td>HEAT TRANSFER METHOD</td> <td>INDIRECT</td> </tr> <tr> <td>EFFECTIVE HEAT TRANSFER SURFACE AREA</td> <td>18.100 SQUARE FEET</td> </tr> <tr> <td>CAPACITY RATING</td> <td>750.0 GALLONS PER HOUR</td> </tr> <tr> <td align="center" colspan="2">/</td> </tr> <tr> <td>MATIERE</td> <td>TUBES EN ALLIAGE DE NICKEL-CUIVRE ET FEUILLES DE TUBES; BONNET EN LAITON</td> </tr> <tr> <td>DIAMETRE</td> <td>5.120 POUCES NOMINAL</td> </tr> <tr> <td>LONGUEUR</td> <td>23.620 POUCES NOMINAL</td> </tr> <tr> <td>DISTANCE ENTRE COLLERETTES/ BRIDES</td> <td>6.250 POUCES NOMINAL</td> </tr> <tr> <td>HAUTEUR</td> <td>6.500 POUCES NOMINAL</td> </tr> <tr> <td>MODE DE TRANSMISSION DE LA CHALEUR</td> <td>INDIRECT</td> </tr> <tr> <td>SURFACE UTILE DE TRANSMISSION DE CHALEUR</td> <td>18.100 PIEDS CARRÉS</td> </tr> <tr> <td>CHARGE UTILE/CADENCE/ CAPACITE NOMINALE</td> <td>750.0 GALLONS PAR HEURE</td> </tr> </table>	MATERIAL	COPPER NICKEL ALLOY TUBES AND TUBE SHEETS; BRASS BONNET	DIAMETER	5.120 INCHES NOMINAL	LENGTH	23.620 INCHES NOMINAL	DISTANCE BETWEEN FLANGES	6.250 INCHES NOMINAL	HEIGHT	6.500 INCHES NOMINAL	HEAT TRANSFER METHOD	INDIRECT	EFFECTIVE HEAT TRANSFER SURFACE AREA	18.100 SQUARE FEET	CAPACITY RATING	750.0 GALLONS PER HOUR	/		MATIERE	TUBES EN ALLIAGE DE NICKEL-CUIVRE ET FEUILLES DE TUBES; BONNET EN LAITON	DIAMETRE	5.120 POUCES NOMINAL	LONGUEUR	23.620 POUCES NOMINAL	DISTANCE ENTRE COLLERETTES/ BRIDES	6.250 POUCES NOMINAL	HAUTEUR	6.500 POUCES NOMINAL	MODE DE TRANSMISSION DE LA CHALEUR	INDIRECT	SURFACE UTILE DE TRANSMISSION DE CHALEUR	18.100 PIEDS CARRÉS	CHARGE UTILE/CADENCE/ CAPACITE NOMINALE	750.0 GALLONS PAR HEURE
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ANNEX "D" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)