



**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  
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services 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, services, and construction listed herein and on any  
attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux 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, services et construction énumérés  
ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Fuel & Construction Products Division  
L'Esplanade Laurier,  
140 O'Connor Street,  
East Tower, 4th floor,  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> Mixed and pure gases	
<b>Solicitation No. - N° de l'invitation</b> K8A21-200580/A	<b>Date</b> 2020-01-30
<b>Client Reference No. - N° de référence du client</b> K8A21-200580	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HL-674-78411	
<b>File No. - N° de dossier</b> hl674.K8A21-200580	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2020-03-11</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Coconetu, Traian	<b>Buyer Id - Id de l'acheteur</b> hl674
<b>Telephone No. - N° de téléphone</b> (343) - 543 (9502)	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	Environnement and Climate Change Canada Emissions Research and Measurement Section C/O David Buote 335 River Road Ottawa, ON K1V 1C7	I - 1	Environnement and Climate Change Canada Emissions Research and Measurement Section C/O ACCTS Payable 335 River Road Ottawa, ON K1A 0H3



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire		Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
						Destination	FOB/FAM			
1	2020-21 mixed and pure gases	D-1	I-1	60000	Each	\$	\$		See Herein	
2	2021-22 mixed and pure gases	D-1	I-1	75000	Each	\$	\$		See Herein	
3	2022-23 mixed and pure gases	D-1	I-1	90000	Each	\$	\$		See Herein	

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File No. - N° du dossier  
hl674. K8A21 200580/A

Buyer ID - Id de l'acheteur  
hl674  
CCC No./N° CCC - FMS No./N° VME

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement associated with this bid solicitation.

### **1.2 Requirement**

The requirement is detailed under Article 6.2 of the resulting contract clauses.

### **1.3 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.

### **1.4 Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP), the North American Free Trade Agreement (NAFTA), the Canadian-European Union Comprehensive Economic Trade Agreement (CETA) and the Canadian Free Trade Agreement and Canada's bilateral trade agreements with Chile, Colombia, Honduras, Korea, Panama, Peru, and Ukraine.

### **1.5 epost Connect service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

## 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) (<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](#) (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 90 days

#### 2.1.1 SACC Manual Clauses

The following terms and conditions are incorporated herein

SACC Reference	Section	Date
B1000T	Condition of Material - Bid	2014-06-26

### 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 in the bid solicitation.

**Note:** For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

[tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)

**Note:** Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) 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

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (3 hard copies)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). 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 Annexes "B1" and "B2"- Pricing table. Bidders must provide the "Product Code" in Annex "B2"- Pricing table.

## **Section III: Certifications**

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

### **3.1.1 Electronic Payment of Invoices – Bid**

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

If Annex "E" 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.

## **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**

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

##### **4.1.1.1 Mandatory Technical Criteria**

The Bidder must provide documentation showing how they meet the technical requirements detailed in Annex "A";

#### **4.1.2 Financial Evaluation**

##### **4.1.2.1 Mandatory Financial Criteria**

- a) The Bidder must bid firm unit prices in Canadian funds, Applicable Taxes excluded, Delivered Duty Paid (DDP) to destination (Ottawa, Ontario), Incoterms 2000, Customs Duties included; and
- b) The Bidders' financial bid must be in accordance with the Basis of Payment.

##### **4.1.2.2 Evaluated Price Calculation**

The Evaluated Bid Price will be calculated using the pricing tables provided in Annexes "B1" and "B2" as follows:

#### **I. Evaluated Price for Pure Gases: (See Annex B1)**

Step 1 Use the formula:  $A_i * (B_i + C_i + D_i + E_i + F_i)$  to calculate the Total price for 5 years and for each type of pure gases;

Step 2

Add all totals obtained on Step 1 to get the Total Evaluated Price Pure Gases (T1)

#### **II. Evaluated Price for Mixed Gases: (See Annex B2)**

Step 1 Use the formula:  $A_j * (B_j + C_j + D_j + E_j + F_j)$  to calculate the Total price for 5 years and for each type of mixed gases;

Step 2

Add all totals obtained on Step 1 to get the Total Evaluated Price Mixed Gases (T2)

#### **III. Use the following formula to calculate the Evaluated Bid Price:**

Evaluated Bid Price =  $T1 + T2$

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## **4.2 Basis of Selection**

**4.2.1** A bid must comply with the requirements of the bid solicitation and meet all mandatory evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract. One (1) contract will be issued in response to this request.

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

#### 5.1.2 Product Conformance

The Bidder certifies that all proposed gases conform, and will continue to conform throughout the duration of the contract, to the requirement detailed under Annex "A".

\_\_\_\_\_  
Bidder's authorized representative signature

\_\_\_\_\_  
Date

### 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 property 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/canada/esdc-labour's) 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.

## 5.2.3 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

\_\_\_\_\_ Bidders' Authorized Representative Signature \_\_\_\_\_ Date \_\_\_\_\_  
or

- B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

\_\_\_\_\_ Bidders' Authorized Representative Signature

\_\_\_\_\_ Date

## 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-Contract

Environment Canada has a requirement for the supply and delivery of various gases using a Requisition on Contract (ROC) on an 'as and when required basis as detailed in Annexes "A", "B1" & "B2".

The Contractor must provide products that are of the same description, brand name, and model and/or part number in accordance with Annex "A".

Substitute products will not be considered.

### 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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Requisition on Contract (ROC)

#### a) Purpose of ROC:

The goods will be ordered on an as-and-when-requested basis using a Requisition on Contract ("ROC").

#### b) Process for Issuing a ROC:

- Authorized ROCs against this Contract will be made using a duly completed form identified in Annex "C" by methods such as facsimile and electronic mail.
- A ROC will be prepared by the Project Authority and sent to the Contractor.
- The ROC will be processed in accordance with and contain the information listed in Annex "D".

#### c) Authority to Issue a ROC:

Any ROC with a value less than or equal to \$25,000.00 (including GST/HST) may be issued by the Project Authority. Any ROC with a value greater than this amount must be issued directly by the Contracting Authority. By providing written notice to the Contractor, the Contracting Authority may suspend the Project Authority to issue ROCs at any time.

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**d) Contents of a ROC:**

- (i) a ROC number;
- (ii) the details of any financial coding to be used;
- (iii) quantity and description of goods being ordered;
- (iv) the delivery date(s);
- (v) the specific delivery location;
- (vi) the firm unit price payable to the Contractor and

**6.5 Term of Contract**

**6.5.1 Period of the Contract**

The period of the Contract is for three (3) years from date of Contract.

**6.5.2 Delivery Date**

All deliverables must be received in accordance with the delivery schedule as specified under article 6.15.1.

**6.5.3 Option to Extend the Contract**

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one year periods under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 15 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

**6.5.4 Delivery Points**

Delivery of the requirement will be made to the following delivery point:  
Shipping and Receiving,  
ECCC, Emissions Research and Measurement Section,  
335 River Road, Ottawa, Ontario, K1V 1C7.

**6.6 Authorities**

**6.6.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Traian Coconetu  
Title: Supply Team Leader  
Public Works and Government Services Canada  
Acquisitions Branch  
Directorate: Logistics, Electrical, Fuel and Transportation Directorate  
Address: l'Esplanade Laurier 4th Floor - 140 O'Connor St. Ottawa Ontario K1A 0S5

Telephone: 343-543-9502  
E-mail address: [traian.coconetu@pwgsc-tpsgc.gc.ca](mailto:traian.coconetu@pwgsc-tpsgc.gc.ca)

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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.

#### **6.6.2 Technical Authority (to be filled in only at contract award)**

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

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

#### **6.6.3 Contractor's Representative (fill in)**

The Contractor's Representative for the Contract is:

##### **General enquiries**

Name: \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Facsimile No. \_\_\_\_\_  
E-mail address: \_\_\_\_\_

##### **Delivery Follow-up**

Name: \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Facsimile No. \_\_\_\_\_  
E-mail address: \_\_\_\_\_

#### **6.7 Identified Users**

The Identified User authorized to make ROC's against the Contract is: Environment Canada – Science & Technology, Air Quality Research.

#### **6.8 Payment**

##### **6.8.1 Basis of Payment - Firm Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Requisition on Contract (ROC), the Contractor will be paid firm unit prices, as specified in Annexes "B1" and "B2". 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.



## **6.8.2 Limitation of Expenditure- Cumulative Total of all Requisition on Contracts (ROC)**

- 6.8.2.1** Canada's total liability to the Contractor under the Contract for all authorized Requisition on Contracts (ROCs), inclusive of any revisions, must not exceed the sum of \$ **(to be added at Contract award)**. Customs duties are included and the Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.
- 6.8.2.2** No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
- 6.8.2.3** The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
- (a) when it is 75 percent committed, or
  - (b) four (4) months before the contract expiry date, whichever comes first.
- 6.8.2.4** If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

## **6.8.3 Minimum Guaranteed Expenditure**

- 6.8.3.1** "Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and "Minimum Contract Value" means \$60,000.00.
- 6.8.3.2** Canada's obligation under the Contract is to request goods in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to supply the goods described in the Contract. Canada's maximum liability for goods supplied under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.
- 6.8.3.3** In the event that Canada does not request goods in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the goods requested.
- 6.8.3.4** Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

#### **6.8.4 Terms of Payment**

SACC Manual clause H1001C (2008-05-12) Multiple Payments

#### **6.8.5 Electronic Payment of Invoices – Contract**

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

#### **6.9 Periodic Usage Report - Contract with Requisition on Contract (ROC)**

The Contractor must compile and maintain records on its provision of work to the federal government under authorized Requisition on Contracts issued under the Contract.

The Contractor must provide this data in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If work is not provided during a given period, the Contractor must still provide a "NIL" report. The reported data must be submitted in accordance with instructions at Annex "D".

The data must be submitted on a quarterly basis to the Contracting Authority.

The data must be submitted to the Contracting Authority no later than ten (10) calendar days after the end of the reporting period.

#### **Reporting Requirement- Details**

A detailed and current record of all authorized work must be kept for each contract with a Requisition on Contract process. This record must contain:

##### **For each authorized ROC:**

- (i) the authorized ROC number or ROC revision number(s);
- (ii) a title or a brief description of each authorized ROC;
- (iii) the total estimated cost specified in the authorized ROC of each work, GST or HST extra;
- (iv) the start and completion date for each authorized ROC; and
- (v) the active status of each authorized ROC, as applicable.

##### **For all authorized ROC:**

- (i) the amount (GST or HST extra) specified in the contract (as last amended, as applicable) as Canada's total liability to the contractor for all authorized ROCs; and
- (ii) the total amount, GST or HST extra, expended to date against all authorized ROCs.

## 6.10 Invoicing Instructions

The Contractor must submit invoices in accordance with Section 10 of 2010A, General Conditions - Goods (Medium Complexity). Invoices cannot be submitted until all work identified in the invoice is completed.

Invoices must be distributed as follows:

- a) The original and one (1) copy must be forwarded to the following address for certification and payment:

**Environment Canada**  
Science & Technology, Air Quality Research  
335 River Road,  
Ottawa, ON  
K1A 0H3

- b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## 6.11 Certifications and Additional Information

### 6.11.1 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.

## 6.12 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_. (**Note to Bidders:** *Insert the name of the province or territory*)

## 6.13 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) The general conditions 2010A (2018-06-21), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement/Mandatory Specifications;
- (d) Annexes B1 and B2, Pricing Table (Pure and Mixes gases);
- (e) Annex C, Requisition on Contract (ROC) Sample;
- (f) Annex D, Periodic Usage Report;
- (g) the Contractor's bid dated \_\_\_\_\_ (**insert date of bid**).

## 6.14 SACC Manual Clauses

G1005C Insurance- No Specific Requirement	2016-01-28
B7500C Excess Goods	2006-06-16
B1505C Shipment of Dangerous Goods/Hazardous Products	2016-01-28
D3015C Dangerous Goods/Hazardous Products - Labelling and Packaging Compliance	2014-09-25

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## **6.15 Shipping Instructions**

### **6.15.1 Shipping Instructions - Delivery at Destination**

1. Goods must be consigned to the destination specified in the Contract delivered and unloaded: Delivered Duty Paid (DDP) Destination, Incoterms 2000 for shipments from a commercial Contractor;
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes;
3. The Contractor must have the ability to respond to occasional emergency deliveries at short notice;
4. Delivery ordered through a ROC is required within 15 days of receipt of approved ROC.

## **ANNEX "A" - REQUIREMENT/MANDATORY SPECIFICATIONS**

### **Background**

The Emissions Research Measurement Section, Environment and Climate Change Canada (ECCC) conducts emissions testing of the various categories of vehicles in the transportation sector for compliance with the federal emissions regulations. Carbon monoxide (CO), total hydrocarbons (THC), methane (CH<sub>4</sub>), oxides of nitrogen (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>) and some targeted compounds are the gaseous emissions to be measured. The instrumentation employed for this analysis requires confirmation of the range output for each measurement (span) and a zero check to ensure that the results meet the expected quality assurance plan and the protocols under Canadian Environmental Protection Act (CEPA ) Part 7 Division 5.

The instrumentation consists of a separate analyzer for each gaseous compound with several ranges for each instrument. For example, the CO analyzer has six ranges consisting of 0-30 ppm, 0-100 ppm, 0-300 ppm, 0-1000 ppm, 0-2,000 ppm and 0-4,000 ppm. For spanning purposes, a gaseous bottle of known concentration is required for each of the ranges for each analyzer. For a single emissions compliance test, each analyzer could be spanned 4 times for the selected range of that test. With four vehicle test cells and three operational engine test cells and a number of tests completed in each cell each day a large volume of span gases are required on an annual basis. In addition, gases are required for the zero checks (air and nitrogen), hydrogen - helium fuel for the THC analyzer and specialty mixture gases for calibration.

On an annual basis, it is estimated that approximately 200 pure and 300 mixed gases (cylinders) are required for the operation of the test laboratory, as detailed in the tables bellow. As the test facility does not have the space to purchase all of the gases at once, it is necessary to purchase on an as required based on a lead-time and utilization plan.

### **Requirement**

The Contractor must supply and deliver various gases on an 'as and when required basis' upon receiving a Requisition on Contract (ROC). The mandatory information on the specific gases to be delivered and volumes are detailed below:

- Gases are to be pure, defined as contains only the atoms or molecules of the gas requested;
- Gases are to meet the tolerances as specified bellow;
- Gases are to be supplied in the volumes requested and cylinder sizes;
- Substitute products will not be considered;
- Gases that do not meet the specification will be returned.

**Table 1: Mandatory specifications: Compressed natural gas (CNG)**

Pipeline Natural Gas BTU Cert 200Z					Pipeline supplied and analysis	
CNG	Analyzer Range	Min acceptable	ERMD Specifications suggested nominal concentration to order	Max acceptable	Nominal Value	Certified at
Ethane		1.4231%	1.4260%	1.5717%	1.7500%	1.7660%
Propane		0.1238%	0.1250%	0.1263%	0.1000%	0.1320%
Isobutane		0.0109%	0.0110%	0.0111%	0.1000%	0.0130%
Butane		0.0129%	0.0130%	0.0131%	0.1000%	0.0160%
Isopentane		0.0040%	0.0040%	0.0040%	0.0020%	0.0041%
Pentane		0.0059%	0.0060%	0.0061%	0.0020%	0.0028%
Carbon Dioxide		0.4917%	0.5600%	0.6283%	1.0000%	0.6000%
Nitrogen		1.5936%	1.8150%	2.0364%	2.0000%	2.2860%
Oxygen		0.0088%	0.0100%	0.0112%	0.2000%	0.1470%
Hexane		0.0009%	0.0010%	0.0011%	0.0010%	0.0031%
Methane		95.0697%	96.0300%	96.9903%	94.7450%	95.0400%
Impurity		3.675%	3.971%	4.409%	5.255%	4.970%
Total		98.745%	100.001%	101.400%	100.000%	100.010%

**Table 2: Mandatory specifications: Target mixture concentration with proposed tolerances**

The following tables indicate the gas mixture concentration required for each gas analyzer range. There is a suggested nominal concentration to order. That value is Canada targeted value. The minimum and maximum column indicates the range Canada will accept. Gases with a concentration higher or lower than those mentioned, will be considered out of tolerance and might be rejected at the discretion of the purchaser.

The cylinder size for all mixt and pure gases, should be size 200 for steel cylinders and size 152 for aluminum cylinders.

<b>2 gases mixture</b>				
	<b>Analyzer Range ppm</b>	<b>Min acceptable</b>	<b>Suggested nominal concentration to order</b>	<b>Max acceptable</b>
<b>CO in N2</b>	10	6.52	8.15	9.77
	30	23.90	26.65	29.00
	100	80.13	90 ppm	95.00
	300	240.60	265 ppm	285.00
	1000	789.00	890 ppm	950.00
	4000	3200.00	3850.00	4980.00
<b>2 gases mixture</b>				
	<b>Analyzer Range %</b>	<b>Min acceptable</b>	<b>Suggested nominal concentration to order</b>	<b>Max acceptable</b>
<b>CO2 in N2</b>	1%	0.78%	0.80%	0.98%
	2%	1.68%	1.80%	1.98%
	3%	2.51%	2.80%	2.98%
	5%	4.19%	4.50%	4.98%

2 gases mixture				
	Analyzer Range ppm	Min acceptable	Suggested nominal concentration to order	Max acceptable
Nox in N2	5	3.48	4	4.52
	10	8.5 ppm	8.00	9.50
	30	26 ppm	24.00	29.50
	100	85 ppm	80.10	98.50
	300	270 ppm	240.60	290.00
	1000	900 ppm	789.00	950.00
2 gases mixture				
	Analyzer Range ppm	Min acceptable	Suggested nominal concentration to order	Max acceptable
THC in Air order propane	10	2.60	2.7 ppm	2.90
	30	7.92	8 ppm	9.50
	100	26.28	28 ppm	30.00
	300	79.83	85 ppm	98.00
	1000	266.04	295 ppm	325.00
2 gases mixture				
	Analyzer Range ppm	Min acceptable	Suggested nominal concentration to order	Max acceptable
Ethanol in Air	100	77.26	88.00	98.74
	1000	746.30	850.00	953.70
Note: certified std prep tolerance 10%, Analytical accuracy 2%				



2 gases mixture				
	Analyzer Range ppm	Min acceptable	Suggested nominal concentration to order	Max acceptable
Ethane in Air	15	12.29	14.00	15.71
	100	76.39	87.00	97.61
Note: certified std prep tolerance 10%, Analytical accuracy 2%				

  

2 gases mixture				
	Analyzer Range ppm	Min acceptable	Suggested nominal concentration to order	Max acceptable
Methane in Air	10	7.92	8 ppm	9.50
	30	26.28	28 ppm	30.00
	100	79.83	85 ppm	98.00

  

2 gases mixture				
	Analyzer Range	Min acceptable	Suggested nominal concentration to order	Max acceptable
Oxygen in N2	5%	3.95	4.50	5.05
	9%	7.90	9.00	10.10
Note: certified std prep tolerance 10%, Analytical accuracy 2%				

5 gases mixture for bar 97 style gas analyzers				
	Analyzer Range	Min acceptable	Suggested nominal concentration to order	Max acceptable
CO2		4.39	5.00	5.61
CO		0.40	0.45	0.50
NO		245.84	280.00	314.16
C3H8		158.04	180.00	201.96
Balanced in Nitrogen -Oxygen free NIST traceable				
5 gases mixture for bar 97 style gas analyzers				
	Analyzer Range	Min acceptable	Suggested nominal concentration to order	Max acceptable
CO2		10.10	11.50	12.90
CO		7.02	8.00	8.98
NO		2546.20	2900.00	3253.80
C3H8		2546.20	2900.00	3253.80
Balanced in Nitrogen -Oxygen free NIST traceable				
5 gases mixture for bar 97 style gas analyzers				
	Analyzer Range	Min acceptable	Suggested nominal concentration to order	Max acceptable
CO2		6.15	7.00	7.85
CO		3.95	4.50	5.05
NO		1580.40	1800.00	2019.60
C3H8		1668.20	1900.00	2131.80
Balanced in Nitrogen -Oxygen free NIST traceable				

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Pipeline Natural Gas BTU Cert 200Z						
	Analyzer Range	Min acceptable	Suggested nominal concentration to order	Max acceptable		
Ethane		1.4231%	1.4260%	1.5717%		
Propane		0.1238%	0.1250%	0.1263%		
Isobutane		0.0109%	0.0110%	0.0111%		
Butane		0.0129%	0.0130%	0.0131%		
Isopentane		0.0040%	0.0040%	0.0040%		
Pentane		0.0059%	0.0060%	0.0061%		
Carbon Dioxide		0.4917%	0.5600%	0.6283%		
Nitrogen		1.5936%	1.8150%	2.0364%		
Oxygen		0.0088%	0.0100%	0.0112%		
Hexane		0.0009%	0.0010%	0.0011%		
Methane		95.0697%	96.0300%	96.9903%		
		3.675%	3.971%	4.409%		
		98.745%	100.001%	101.400%		
Note : A batch analysis for each component named in the above table (pipeline Natual gas) must be supplied with each order. Quote analysis cost seperately						

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ANNEX "B1"- PRICING TABLE: PURE GASES

Firm UNIT Price for each gas cylinder, DDP delivered at the following destination, applicable taxes excluded: Environment and Climate Change Canada 335 River Road Ottawa, ON K1V 1C7 c/o ERMS Dave Buote										
Description:					Supply Period					
The supply and delivery of the gas on an as and when required basis. See Annex A for gas specification.						Contract Year 1 Unit Price	Contract Year 2 Unit Price	Contract Year 3 Unit Price	Contract Option 1 Unit Price	Contract Option 2 Unit Price
Pure Gases	Grade	Purity	Volume	Dimensions	Total Estimated Consumption Quantity per year (Ai)	2020 -2021 (Bi)	2021 -2022 (Ci)	2022-2023 (Di)	2023-2024 (Ei)	2024-2025 (Fi)
Air Ultra 0 size 50	UZ	99.9980%	8.8 M3	9" x 55"	100.0	\$	\$	\$	\$	\$
Nitrogen Alpha 1 (UHP)	UHP	99.9990%	8.43 M3	9" x 55"	75.0	\$	\$	\$	\$	\$
Propane	Instrument	99.5000%	20 Lbs.	12" x 18"	12.0	\$	\$	\$	\$	\$
Helium	UPC	99.9995%	8.30 M3	9" x 55"	50.0	\$	\$	\$	\$	\$
Butane Size 108	CP	99.0000%	95 Lbs.	9" x 55"	2.0	\$	\$	\$	\$	\$

ANNEX "B2"- PRICING TABLE: MIXED GASES																
MIXED GASES Product Description-Air Liquide	Mixture Preparation Tolerance Certified	Mixture Preparation Tolerance Certified Plus	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2022 - 2023) (D)	Contract Option 1: Unit price/per cylinder (2023 - 2024) (E)	Contract Option 2: Unit price/per cylinder (2024 - 2025) (F)
(1.0% RANGE) 0.80% Carbon Dioxide in Nitrogen - Certified	+ / - 10%	+ / - 2%	+ / - 2%	0.80%	0.776%	0.98%	213 Ft3	200	9" X 51"	-----	6	\$	\$	\$	\$	\$
(2.0% RANGE)1.80% Carbon Dioxide in Nitrogen - Certified	+ / - 10%	+ / - 2%	+ / - 2%	1.80%	1.68%	1.98%	213 Ft3	200	9" X 51"	-----	12	\$	\$	\$	\$	\$
(3.0% RANGE) 2.8% Carbon Dioxide in Nitrogen - Certified	+ / - 10%	+ / - 2%	+ / - 2%	2.80%	2.51%	2.98%	213 Ft3	200	9" X 51"	-----	4	\$	\$	\$	\$	\$
(5.0% RANGE) 4.5% Carbon Dioxide in Nitrogen - Certified	+ / - 10%	+ / - 2%	+ / - 2%	4.50%	4.19%	4.98%	213 Ft3	200	9" X 51"	-----	4	\$	\$	\$	\$	\$

MIXED GASES Product Description-Air Liquide	Mixture Preparation Tolerance Certified	Mixture Preparation Tolerance Certified Plus	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (Ai)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (Bi)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (Ci)	Contract Year 3: Unit price/per cylinder (2022 - 2023) (Di)	Contract Option 1: Unit price/per cylinder (2023 - 2024) (Ei)	Contract Option 2: Unit price/per cylinder (2024 - 2025) (Fi)
(30 RANGE) 23 ppm Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	26 ppm	23.9 ppm	29 ppm	141 Ft3	152	8" X 48"	-----	12	\$	\$	\$	\$T	\$
(100 RANGE) 93 ppm Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	80.13	90 ppm	95 ppm	141 Ft3	152	8" X 48"	-----	12	\$	\$	\$	\$	\$
(300 RANGE) 265 ppm CO bal N2 Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	240.60	265 ppm	285 ppm	141 Ft3	152	8" X 48"	-----	8	\$	\$	\$	\$	\$
(1000 RANGE) 886.81 ppm Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	789.00	890 ppm	950 ppm	141 Ft3	152	8" X 48"	-----	4	\$	\$	\$	\$	\$
(2000 RANGE) 1780 ppm Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	1850 ppm	1750ppm	1950 ppm	141Ft3	152	8" X 53"	-----	4	\$	\$	\$	\$	\$

MIXED GASES Product Description-Air Liquide	Mixture Preparation Tolerance Certified	Mixture Preparation Tolerance Certified Plus	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2022 - 2023) (D)	Contract Option 1: Unit price/per cylinder (2023 - 2024) (E)	Contract Option 2: Unit price/per cylinder (2024 - 2025) (F)
(4000 RANGE) 3780 ppm Carbon Monoxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	3200.00	3850ppm	4980 ppm	141 Ft3	152	8" X 48"	-----	2	\$	\$	\$	\$	\$
(10 PPM RANGE) 3 ppm Propane in Air Ultra Zero - Certified	+ / - 20%	+ / - 5%	+ / - 5%	2.60	2.7 ppm	2.9 ppm	213 Ft3	152	8" X 53"	-----	8	\$	\$	\$	\$	\$
(30 RANGE) 9 ppm Propane in Air Ultra Zero - Certified	+ / - 20%	+ / - 5%	+ / - 5%	7.92	8 ppm	9.5 ppm	213 Ft3	152	8" X 48"	-----	8	\$	\$	\$	\$	\$
(90 RANGE) 27.10 ppm Propane in Air Ultra Zero - Certified	+ / - 20%	+ / - 5%	+ / - 5%	26.28	28 ppm	30 ppm	213 Ft3	200	9" X 51"	-----	8	\$	\$	\$	\$	\$
(300 RANGE) 81.15 ppm Propane in Air Ultra Zero - Certified	+ / - 20%	+ / - 5%	+ / - 5%	79.83	85 ppm	98 ppm	213 Ft3	200	9" X 51"	-----	8	\$	\$	\$	\$	\$

ANNEX "B2"- PRICING TABLE: MIXED GASES

MIXED GASES Product Description- Air Liquide	Mixture Preparation Tolerance Certified Plus	Mixture Preparation Tolerance Certified	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept.	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/cylinder (2021 - 2022) (D)	Contract Option 1: Unit price/cylinder (2021 - 2022) (E)	Contract Option 2: Unit price/cylinder (2021 - 2022) (F)
(1000 RANGE) 295.60 ppm Propane in Air Ultra Zero - Certified	+ / - 20%	+ / - 5%	+ / - 5%	266.04	295 ppm	325 ppm	213 Ft3	200	9" X 51"	-----	8	\$	\$	\$	\$	\$
(10 RANGE) 8.15 ppm Nitric Oxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	8.5 ppm	8 ppm	9.5 ppm	141 Ft3	152	8" X 48"	-----	16	\$	\$	\$	\$	\$
(30 RANGE) 26.65ppm Nitric Oxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	26.25 ppm	80.1 ppm	98.5 ppm	141 Ft3	152	8" X 48"	-----	8	\$	\$	\$	\$	\$
(100 RANGE) 89.05 ppm Nitric Oxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	89.05 ppm	240.6 ppm	290 ppm		152		-----	12	\$	\$	\$	\$	\$
( 300 RANGE) 267.38 ppm Nitric Oxide in Nitrogen - Certified	+ / - 20%	+ / - 5%	+ / - 5%	267.38 ppm	789.00	950 ppm	141 Ft3	152	8" X 48"	-----	8	\$	\$	\$	\$T	\$



MIXED GASES Product Description- Air Liquide	Mixture Preparation Tolerance Certified	Mixture Preparation Tolerance Certified Plus	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept.	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2021 - 2022) (D)	Contract Option 1: Unit price/per cylinder (2021 - 2022) (E)	Contract Option 2: Unit price/per cylinder (2021 - 2022) (F)
40.5% Hydrogen in Helium - Primary	+ / - 20%	+ / - 5%	+ / - 5%				141 Ft3	152	9" X 51"	-----	90	\$	\$	\$	\$	\$
(P5) 5% Methane in Argon	+ / - 20%	+ / - 5%	+ / - 5%				141 Ft3	152	9" X 51"	-----	4	\$	\$	\$	\$	\$
(MIX1-LD) CO- 16ppm, CO2- 1.6%, Propane- 25ppm, bal Air - Certified	+ / - 10%	+ / - 2%	+ / - 2%				141 Ft3	200	8" X 48"	-----	2	\$	\$	\$	\$	\$
(MIX2-LD) CO- 45ppm, CO2- 1.6%, Propane- 50ppm, bal Air - Certified	+ / - 10%	+ / - 2%	+ / - 2%				141 Ft3	200	8" X 48"	-----	2	\$	\$	\$	\$	\$
(On-RD) 800ppm Methane in Air	+ / - 20%	+ / - 5%	+ / - 5%				209Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$

ANNEX "B2"- PRICING TABLE: MIXED GASES

MIXED GASES Product Description- Air Liquide	Mixture Preparation Tolerance Certified Plus	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept.	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2021 - 2022) (D)	Contract Option 1: Unit price/per cylinder (2021 - 2022) (E)	Contract Option 2: Unit price/per cylinder (2021 - 2022) (F)
(On-RD) 800ppm Methane in Air	+ / - 20%	+ / - 5%	0%	0%	0	209Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$
(On-RD) 1.5% Methane in Air	+ / - 20%	+ / - 2%				209Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$
(On-RD) 2.5% Methane in Air	+ / - 20%	+ / - 5%	0	0	0	209Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$
(Original- M1/Ld)170.0 ppm CO, 65.0 ppm Propane; 1.8% CO2; bal Air - Certified	+ / - 10%	+ / - 2%				141 Ft3	200	8" X 48"	-----	2	\$	\$	\$	\$	\$
(Original-M2/Ld) 487 ppm CO, 90.0 ppm Propane; 1.8% CO2; bal Air - Certified	+ / - 10%	+ / - 2%				141 Ft3	200	8" X 48"	-----	2	\$	\$	\$	\$	\$
(Marine) SO2 - 30ppm Bal Air Certified	+ / - 20%	+ / - 5%	26 ppm	23.9 ppm	29 ppm	141 Ft3	152	8" X 48"	-----	1	\$	\$	\$	\$	\$
(MIX3-LD) CO- 150ppm, CO2- 1.6%, Propane- 15ppm, bal Air - Certified	+ / - 10%	+ / - 2%				209Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$

ANNEX "B2"- PRICING TABLE: MIXED GASES

MIXED GASES Product Description- Air Liquide	Mixture Preparation Tolerance Certified Plus	Mixture Preparation Tolerance Certified	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept.	Max. Accept.	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2021 - 2022) (D)	Contract Option 1: Unit price/per cylinder (2021 - 2022) (E)	Contract Option 2: Unit price/per cylinder (2021 - 2022) (F)
(MX1-UJTL+HD) CO-500ppm, CO2- 1.6%, Propane- 150ppm, bal Air - Certified	+ / - 10%	+ / - 2%	+ / - 2%				209 Ft3	200	9" X 51"	-----	2	\$	\$	\$	\$	\$
(On-RD) 1218ppm CO, 1450ppm NO, 1000 Propane 12% CO2 Balance N2, Cert Std, AS	+ / - 10%	+ / - 5%	+ / - 2%				141 Ft3	152	8" X 48"	-----	3	\$	\$	\$	\$	\$
(On-RD) 244ppm NO2, Balance N2, Cert Std, AS	+ / - 10%	+ / - 5%	+ / - 2%	244ppm			141 Ft3	152	8" X 48"	-----	3	\$	\$	\$	\$T	\$
(10 PPM RANGE) 8 ppm Methane in Air Ultra Zero - Certified	+ / - 10%	+ / - 10%	+ / - 10%	8ppm			141 Ft3	+ / - 10%	8" X 48"	-----	8	\$	\$	\$	\$	\$
(30 PPM RANGE) 28 ppm Methane in Air Ultra Zero - Certified	+ / - 2%	+ / - 2%	+ / - 2%	28ppm			141 Ft3	+ / - 2%	8" X 48"	-----	8	\$	\$	\$	\$	\$

ANNEX "B2"- PRICING TABLE: MIXED GASES

MIX GASES Product Description-Air Liquide	Mixture Preparation Tolerance Certified Plus	Mixture Preparation Tolerance Certified	Analytical Accuracy	Suggested nominal concentration to order	Min. Accept	Max. Accept.	Volume	Size	Cylinder Dime.	Product Code	Estimate Cylinder Quantity per year (A)	Contract Year 1: Unit price/per cylinder (2020 - 2021) (B)	Contract Year 2: Unit price/per cylinder (2021 - 2022) (C)	Contract Year 3: Unit price/per cylinder (2021 - 2022) (D)	Contract Option 1: Unit price/per cylinder (2021 - 2022) (E)	Contract Option 2: Unit price/per cylinder (2021 - 2022) (F)
(100 PPM RANGE) 90 ppm Methane in Air Ultra Zero - Certified	+ / - 2%	+ / - 2%	+ / - 2%	90ppm			141 Ft3	200	8" X 48"	-----	2	\$	\$	\$	\$	\$
Oxygen 4.5% Balance N2 Certified	+ / - 10%	+ / - 2%	+ / - 2%	4.50%			2.80%	200	9" X 51"	-----	1	\$	\$	\$	\$	\$
Oxygen 9.0% Balance N2 Certified	+ / - 10%	+ / - 2%	+ / - 2%	9.00%			2.51%	200	9" X 51"	-----	1	\$	\$	\$	\$	\$

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File No. - N° du dossier  
hl674. K8A21 200580/A

Buyer ID - Id de l'acheteur  
hl674  
CCC No./N° CCC - FMS No./N° VME

## ANNEX "C" - REQUISITION ON CONTRACT (SAMPLE)

(Note: Will be applicable during the contract period)

<b>1. CONDITIONS</b>		
<b>ALL INVOICES, SHIPPING BILLS, AND PACKING SLIPS MUST SHOW THE FOLLOWING AGREEMENT REFERENCE NUMBERS</b>		
<b>CONTRACT NUMBER:</b>		
<b>ROC NUMBER:</b>		
<b>TO:</b>  Contractor Address	<b>DELIVERY DATE:</b>  <b>BALANCE LEFT ON CONTRACT PRIOR TO THIS ROC (GST/HST included):</b>  <b>VALUE OF THIS REQUISITION ON CONTRACT (ROC) (GST/HST included):</b>  <b>BALANCE REMAINING ON THE CONTRACT (GST/HST included):</b>	
<b>0. REQUIREMENT</b>		
<b>2.1 FOR THE SUPPLY OF EQUIPMENT:</b> The Contractor shall be paid firm lot prices in Canadian dollars, DDP Delivered Duty Paid (Destination) Incoterms 2000, with the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Custom Duties and Excise Taxes must be included.		
<b>Item #</b>	<b>Item Description</b>	<b>Quantity</b>
		<b>Firm Unit Price</b> (as per Contract)
		<b>Total</b>
		\$
		\$
		\$
		\$
		\$
<b>Total cost of items</b>		<b>\$</b>
<b>GST/HST</b>		<b>\$</b>
<b>Total cost including GST/HST</b>		<b>\$</b>
<b>DELIVERY DESTINATION(S) Delivery Duty Paid (Destination) Incoterms 2000:</b>		
The Contractor shall not charge Canada for any costs exceeding this total price.		
<b>1. APPROVALS</b>		
<b>Project/Technical Authority:</b> <b>Name:</b>	<b>Administrative (Procurement) Authority:</b> <b>Name:</b>	<b>Contract Authority at PWGSC (For any ROC over \$ 25,000.00):</b> <b>Name:</b>
<b>Signature:</b>	<b>Signature:</b>	<b>Signature:</b>
<b>Date:</b>	<b>Date:</b>	<b>Date:</b>

## ANNEX "D"- PERIODIC USAGE REPORT

Instructions for submission of Requisition on Contracts usage data. The Contractor must e-mail the information identified below in an electronic spreadsheet in the format below, to the Contracting Authority identified herein.

[traian.coconetu@pwgsc-tpsgc.gc.ca](mailto:traian.coconetu@pwgsc-tpsgc.gc.ca)

The report must include as a minimum the following:

- Contract number for which the data is submitted;
- Total dollar value of all ROCs to date;
- Total dollar value of all ROCs during reporting period;
- The start date and end date of the reporting period;
- Total number of all ROCs during reporting period;
- Total number of all ROCs to date;
- ROC number;
- Item description;
- Quantity ordered, Unit price; and
- Date of delivery / Value of order.

CONTRACT #			
Total Dollar Value of all ROCs to date (\$)	Total Dollar Value of all ROCs during reporting period (\$)	Start Reporting Period (DD/MM/YYYY)	End Reporting Period (DD/MM/YYYY)
Total Number of all ROCs during reporting period		Total Number of all ROCs to date	
ROC Number	Item Description	Firm Unit Price, Quantity Ordered	Date of Delivery / Value of Order (not including GST/HST, if applicable)

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## **ANNEX "E"- 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)

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## ANNEX "F"- COMPLETE LIST OF DIRECTORS

Name

Position

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