

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**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

Title - Sujet Spectrometer Systems	
Solicitation No. - N° de l'invitation KM061-121298/A	Date 2012-12-03
Client Reference No. - N° de référence du client KM061-121298	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-002-6107	
File No. - N° de dossier TOR-2-35251 (002)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-01-14	
Time Zone Fuseau horaire Eastern Standard Time EST	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Callahan, Kaye	Buyer Id - Id de l'acheteur tor002
Telephone No. - N° de téléphone (905) 615-2071 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF THE ENVIRONMENT 4905 DUFFERIN ST DOWNSVIEW Ontario M3H5T4 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Delivery Required - Livraison exigée 2013-03-28	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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PART 1 - GENERAL INFORMATION

There is no security requirement associated with the requirement.

2. Requirement

Environment Canada (EC), Air Quality Research Division, Toronto, Ontario has a requirement for one (1) mobile Long Path Fourier Transform Infra Red (LPFTIR) Spectrometer system. Delivery is required by 28 March 2013.

3. Debriefings

After contract award, 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

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 (2012-11-19) 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: sixty (60) days
Insert: ninety (90) days

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.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

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

1. Bid Preparation Instructions

Canada requests that bidders provide their 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)

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>). 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. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

1.1 Exchange Rate Fluctuation

C3011T (2010-01-11), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**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.

1.1 Technical Evaluation**1.1.1 Mandatory Technical Criteria**

See Annex C - Evaluation Criteria

1.1.2 Point Rated Technical Criteria

See Annex C - Evaluation Criteria

1.2 Financial Evaluation

1.2.1 The Bidder must submit their financial bid in accordance with Annex B, Basis of Payment.

1.2.2 SACC Manual Clause A0220T (2007-05-25) Evaluation of Price

2. Basis of Selection

2.1 Basis of Selection - Lowest Price per Point

To be declared responsive, a bid must:

- a. comply with all the requirements of the bid solicitation;
- b. meet all mandatory technical evaluation criteria.

Bids not meeting (a) or (b) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1** By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as

societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required names have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form- PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 Federal Contractors Program - Certification

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the *Government Contracts Regulations*. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.

3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- a. () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;

- b. () is not subject to the FCP, being a regulated employer under the *Employment Equity Act*, S.C. 1995, c. 44;
- c. () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- d. () is subject to the FCP, and has a valid certificate number as follows: _____ (e.g. has not been declared an ineligible contractor by HRSDC).

Further information on the FCP is available on the HRSDC Web site.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Contractor must provide the liquid chromatograph systems in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

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>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2012-11-19), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

3.2 Supplemental General Conditions

4001 Hardware Purchase, Lease and Maintenance.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before 28 March 2013.

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TOR-2-35251

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5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kaye Callahan
Title: Supply Team Leader
Public Works and Government Services Canada
Acquisitions Branch
Ontario Region
33 City Centre Dr., Ste. 480
Mississauga, ON
L2B 2N1

Telephone: 905-615-2071
Facsimile: 905-615-2060
E-mail address: kaye.callahan@pwgsc.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.

5.2 Project Authority (to be provided upon award)

The Project Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : ____ _
Facsimile: ____ _
E-mail address: _____

The Project 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 Project Authority, however the Project 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.

5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : ____ _

Facsimile: _____

E-mail address: _____

6. Payment**6.1 Basis of Payment - Firm Price**

Contractor will be paid the firm unit price as specified in Annex "B", for a cost of \$_____.
 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.

6.2 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

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.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8. Certifications**8.1 Compliance**

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

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

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) the supplemental general conditions 4001 (2010-08-16) Hardware Purchase, Lease and Maintenance
- (c) the general conditions 2010A (2012-11-19) General Conditions - Goods (Medium Complexity);
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment
- (f) the Contractor's bid dated _____

11. SACC Manual Clauses

B1501C (2012-07-16) Electrical Equipment
G1005C (2008-05-12) Insurance

ANNEX "A"**REQUIREMENT****Mobile Long Path Fourier Transform Infra Red Spectrometer System**

Environment Canada (EC), Air Quality Research Division, Toronto, Ontario has a requirement for one (1) Mobile Long Path Fourier Transform Infra Red (LPFTIR) Spectrometer System. This instrument is required for making measurements in the oil sands particularly over tailings ponds, mines and other locations. EC requires a unit that is mobile, since there are a number of measurement sites. The unit must be a remote sensing device coupled with a telescope, since the areas of interest are generally inaccessible and distant from unit's position. The unit must be capable of providing a broad spectrum in the infrared. Quantification of the observed spectrum provides valuable information regarding what chemical constituents are being emitted from the aforementioned areas of interest. These measurements will advance EC's knowledge and understanding of emission sources. This system must use Fourier Transform Infra Red (FTIR) technology and continuously measure a suite of chemical constituents with high precision and be robust for sampling from various platforms including vehicles and outdoor ground sites.

SPECIFICATIONS

Mandatory Specifications are identified as **(M)**

Desirable Specifications are identified as **(D)**

Mobile Long Path Fourier Transform Infra-Red (LPFTIR) spectrometer system that meets the following specifications:

1. Must be configured so that all required calibrations (including infra-red black body for emission measurements), maintenance and repairs can readily be performed at remote field stations by station operators or network staff. **(M)**
2. Must be portable, rugged, operate automatically and continuously under standard PC control. **(M)**
3. Principle of operation required is Infrared radiation be modulated by an interferometer and transmitted to one or more retroreflectors positioned at a distance of typically several hundred meters using a telescope. The reflected radiation is to be received by the same telescope and focused onto a single element detector. **(M)**
4. System should have enclosures to weather protect the interferometer and one or more retroreflectors. **(D)**
5. System must have tripods for mounting telescope/interferometer and retroreflectors. **(M)**
6. Open path range must be minimum 200 metre. **(M)**
7. Interferometer design must be a highly stable and vibration insensitive mechanical system that is permanently aligned. **(M)**
8. Should have selectable mirror velocities up to 10 cm/s. **(D)**
9. The source must be a silicon carbide glower (i.e. glower) that is air cooled and produces infrared radiation. **(M)**
10. Spectral range must be 700 – 4000 cm^{-1} or better. **(M)**
11. Spectral resolution must be 1.0 cm^{-1} or better. **(M)**
12. Wavenumber accuracy must be 0.01 cm^{-1} or better. **(M)**
13. Spectral scan rate must be 1 spectrum per 2 seconds at 0.5 cm^{-1} or better. **(M)**
14. The system electronics should have a 24 bit A/D converter. **(D)**

-
15. Detector should be a Mercury Cadmium Telluride (MCT) detector with Stirling closed cycle cooling. **(D)**
 16. The system must have a telescope that transmits/receives the modulated infrared radiation. **(M)**
 17. The system must have a positioner for alignment of the interferometer plus telescope to the retroreflector. **(M)**
 18. Must operate using 120 or 240 VAC power sources. **(M)**
 19. Should be configured with a mobile battery power supply for remote operations. **(D)**
 20. Should have a transportation/storage container. **(D)**
 21. Must communicate with controlling computer through a manufacturer provided Ethernet interface with TCP/IP. **(M)**
 22. Operating Temperature: must be 0 °C – 40 °C or better. **(M)**
 23. Must be configured to allow the instrument operator to specify measurement type, time and frequency. **(M)**
 24. Must include all software necessary for instrument operation and gas mixing ratio calculations. **(M)**
 25. Training on the instrument by the manufacturer should be included **(D)**

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ANNEX B

BASIS OF PAYMENT

1.0 Mobile Long Path Fourier Transform Infra Red Spectrometer System (LPTIR)

Firm all inclusive unit price for the supply and delivery of a LPTIR Spectrometer system as detailed in Annex A.

Price is in Canadian Funds, FOB destination including all delivery charges, Canadian customs duties and excise taxes included as applicable and Goods and Services Tax/Harmonized Sales Tax EXCLUDED.

Model and Number(s)

\$ _____ Firm Unit Price GST/HST Extra

ANNEX C

EVALUATION CRITERIA

1.0 General

At Annex A - Requirement

Mandatory Specifications are identified as **(M)**

Desirable Specifications are identified as **(D)**

Some of the Mandatory Specifications will be further evaluated with respect to performance or additional features under the Point Rated Technical Criteria below.

Mandatory Technical Criteria

Bidders must meet all mandatory criteria. Failure to meet any one of the mandatory criteria will result in your bid being declared non-responsive.

- (a) The equipment offered must meet the technical specifications detailed at Annex A that are identified as **Mandatory (M)**. If any additional components, peripherals or supplies are necessary to meet all specifications and to operate the instrument on arrival at Environment Canada's site, these must be included in the Bidder's response and must be included in the Price at Annex B; **and**
- (b) The Bidder must provide evidence (instrument specification, publications, documented data or discussion points) to support the fact that their system meets a specification, simply stating that the criteria is met is not sufficient. The Bidder must provide such evidence for each of the Mandatory (M) technical specifications detailed at Annex A, Requirement.

Point Rated Technical Criteria

The Bidder should provide evidence (instrument specification, publications, documented data or discussion points) to support any of the Desirable (D) specifications they want considered in the point rated evaluation. Failure to submit such evidence will result in a score of 0 points for that specification.

Grid is attached separately.

3.0 Point Rated Criteria -Grid

#	Desirable Specification	Points
4.	Weather protection enclosures for interferometer and one or more retroreflectors	Included: 10 points Not Available: 0 points
5.	Tripods	360 degree azimuth travel: 36 points Every 10 degree < 360 degree azimuth travel: -1 point +/- 10 degree elevation travel: 5 points (<i>For example if the system has + 10 degrees 5 points would be awarded, and if it has -10 degree an other 5 points would be awarde</i>) Every 10 degree > +/- 10 degree elevation travel: 5 points (<i>Same example above applies.</i>) < +/- 10 degree elevation travel: 0 points
6.	Open path range	Every 100 metre > 200 m: 5 points
8.	Selectable mirror velocities up to 10 cm/s.	10 cm/s: 10 points < 10 cm/s: 5 points
10.	Spectral range	> 700 – 4000 cm^{-1} : 10 points
11.	Spectral resolution 1.0 cm^{-1}	0.5 cm^{-1} : 5 points < 0.5 cm^{-1} : 10 point
12.	Wavenumber accuracy	< 0.01 cm^{-1} : 10 points
13.	Spectral scan rate at 0.5 cm^{-1}	> 1 spectrum/2s: 10 points -
14.	24 bit A/D converter	Included: 5 points Not available: 0 points
15.	MCT detector	Stirling cycle cooler: 10 points Other cooler method: 0 points
17.	Positioner for alignment of the interferometer plus telescope to retroreflector(s)	Automatic operation: 10 points Manual operation: 5 points
19	Mobile battery power supply	Included: 5 points
20	System transportation/storage container	Included: 5 points
25	Training on the instrument by the manufacturer included.	Included: 5 points Not included: 0 points